

# भारत का राजपत्र

## The Gazette of India

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PUBLISHED BY AUTHORITY

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No. 31] NEW DELHI, SATURDAY, AUGUST 3, 1996 (SRAVANA 12, 1918)

इस साग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके  
[Separate paging is given to this Part in order that it may be filed as a separate compilation]

### भाग III—खण्ड 2 [PART III—SECTION 2]

पेटेन्ट कार्यालय द्वारा जारी की गई पेटेन्टों और डिजाइनों से सम्बन्धित अधिकाराएँ और नोटिस  
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Calcutta, the 3rd August 1996

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## पेटैंट कार्यालय

एकसंग तथा अभिकल्प

कलकत्ता, दिनांक 3 अगस्त 1996

पेटैंट कार्यालय के कार्यालयों के पते एवं क्षेत्राधिकारी

पेटैंट कार्यालय का प्रधान कार्यालय कलकत्ता में अवस्थित है तथा बम्बई, दिल्ली एवं मद्रास में इसके शाखा कार्यालय हैं, जिनके प्राइवेशिक क्षेत्राधिकार जोन के आधार पर निम्न रूप में प्रदर्शित हैं :—

पेटैंट कार्यालय शाखा, टोडी इस्टर्ट  
सीसरा तल, लोअर दर्लै (पश्चिम),  
बम्बई-400013।

गुजरात, महाराष्ट्र तथा मध्य प्रदेश तथा गोआ राज्य क्षेत्र एवं गंग राज्य क्षेत्र, दमन तथा बीबी एवं दादर और नागर हवेली।

तार पता—"पेटैंटफिल्स"

पेटैंट कार्यालय शाखा,  
एकक सं. 401 से 405, तीसरा तल,  
नगरपालिका भाजार भवन,  
सरस्वती मार्ग, करात बाग,  
महाराष्ट्र दिल्ली-110005।

हरियाणा, हिमाचल प्रदेश, जम्मू तथा कश्मीर, पंजाब,  
राजस्थान, उत्तर प्रदेश तथा पिल्ली राज्य क्षेत्रों एवं संघ  
शासित क्षेत्र अण्डीगढ़।

तार पता—"पेटैंटोफिल्स"

## CORRIGENDUM

Under the heading "PATENT SEALED" in the Gazette of India, Part-III, Section-2 dated 14-06-96 to be notified on 13-07-96, delete the Patent application No. 176039 (823/Del/89).

In the Gazette of India, Part-III, Section-2 dated 7th January 1995, Page No. 13, Column—2 for application for Patent No. 1074/Del/88 filed on 7th December, 1988 read the applicant as MITSUI PETROCHEMICAL INDUSTRIES LTD. instead of MITSUL PETROCHEMICAL INDUSTRIES LTD.

In the Gazette of India, Part-III, Section-2 dated the 18th February, 1995, (a) In Page Nos. 110, Column—1 for application for Patent No. 323/Cal/1992 filed on 12th May, 1992 read the accepted No. as 174692 instead of 172692.

(b) In Page Nos.—110, Column—2 for application for Patent No. 415/Cal/92 filed on 11th June 1992 read the accepted No. as 174693 instead of 172693.

In the Gazette of India, Part-III, Section-2, dated 1st April, 1995, (a) in Page Nos. 276, Column—1, for application for Patent No. 1/Del/89 filed on 2nd January, 1989 read the applicant POLYMER PAPERS LTD. instead of POLYER PAPERS LTD.

पेटैंट कार्यालय शाखा,  
61, वालाजाह रोड,  
महाराष्ट्र-600002।

आन्ध्र प्रदेश, कर्नाटक, केरल, तमिलनाडु राज्य छत्र गांव संघ शासित क्षेत्र पांच्चरेरी, लक्ष्मीपुर मित्रकाल तथा एम्पीरीदिवि द्वीप।

तार पता—"पेटैंटोफिल्स"

पेटैंट कार्यालय (प्रधान कार्यालय),  
निजाम पलेस, बिवसीय बहुतलीय कार्यालय,  
भवन, 5, 6 तथा 7थां तल,  
234/4, आजार्य जगवीर बोस मार्ग,  
कलकत्ता-700020।

भारत का अवशेष क्षेत्र।

तार पता—"पेटैंटोफिल्स"

पेटैंट अधिनियम, 1970 या पेटैंट नियम, 1972 में अपेक्षित सभी आवेदन पत्र, सूचनाएं, विवरण या अन्य प्रलेस पेटैंट कार्यालय के क्षेत्र उपयुक्त कार्यालय अवस्थित हैं ही प्राप्त किये जाएंगे।

शुल्क :—शुल्कों की अदायगी या तो नकद की जाएगी अथवा उपयुक्त कार्यालय में नियन्त्रक को भुगतान योग्य भनावेश अथवा इकाक आदेश या जहाँ उपयुक्त कार्यालय अवस्थित हैं, उस स्थान के अनुसूचित बैंक से नियन्त्रक को भुगतान योग्य बैंक द्वारा अपेक्षित द्वारा की जा सकती है।

(b) In Page Nos. 278, Column—1 for application for Patent No. 440/Del/89 filed on 19th May, 1989 read the applicant GHANSHYAM DAS AGARWAL instead of GHANSHYAM DAS AGRAWAL.

In the Gazette of India, Part-III, Section-2, dated 8th April, 1995. (a) In Page Nos. 313, Column—1 for application for Patent No. 672/Mas/89 filed on 11th September, 1989 read the applicant as COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN-MICHELIN & CIE instead of COM-PAGINE GENNERALE DES ESTABLISSEMENTS MICHE-LIN-MICHELIN & CIE.

(b) In page Nos. 324, Column-1 application for Patent No. 506/Cal/90 filed on 18th June, 1990 read the applicant as THE BABCOCK & WILCOX CO. instead of THE BEBCOCK & WILCOX CO.

In the Gazette of India, Part -III, Section-2 dated 22nd April, 1995. (a) In Page Nos. 363, Column—2, application for Patent No. 585/Del/89; filed on 4th July, 1989 read the accepted No. 175027, instead of 175022.

(b) In Page Nos. 375, Column—1 application for Patent No. 912/Mas/89 filed on 11th December, 1989 read the applicant CABOT CORPN instead of CABOLT CORPN,

In the Gazette of India, Part-III, Section-2 dated 3rd June, 1995. (a) In Page Nos. 488, Column—1 application for Patent No. 101/Bom/92 filed on 31st March, 1992 read the accept No. 175263 instead of 17563.

In Gazette of India, Part-III, Section-2 dated the 10th June, 1995. (a) In Page Nos. 529, Column—1 application for Patent No. 1006/Del/88 filed on 18th November, 1988 read the accept No. as 175357 instead of 175757.

(b) In Page Nos. 514, Column—1 application for Patent No. 565/Del/89 filed on 28-06-89 read the applicant as ROHM AND HAAS COMPANY instead of ROHM AND HASS COMPANY.

**APPLICATION FOR PATENT FILED AT THE HEAD OFFICE 234/4, ACHARYA JAGADISH BOSE ROAD, CALCUTTA-700 020**

The dates shown in the crescent bracket are the dates claimed under Section 135, of the Patent Act, 1970.

18-04-96

707/Cal/96. Nanda Dulal Bhaduri. "A musical instrument named by me as 'NAAD'".

708/Cal/96. Simplex Concrete Piles (India) Ltd. "A Deformation Controlled prestressed Stabilized Granular Foundation System for a structure in weak compressible soil and a method of making the same".

709/Cal/96. Baker Norton Pharmaceuticals, Inc. "Method and compositions for treating impotence". (Convention No. 08/432,892; on 2-5-95; in U.S.A.).

710/Cal/96. Ishikawajima-Harima Heavy Industries Co. Limited, BHP Steel (JLA) Pty. Ltd. "Casting steel strip". (Convention No. PN 2811 on 5-5-95; in Australia).

711/Cal/96. Toshiba Machine Co. Ltd. "A method for controlling the injection speed of injection moulding machines and an apparatus therefor." (Convention No. 7-100905; on 25-4-95; in Japan).

712/Cal/96. Allergan. "Intraocular lens for reducing secondary opacification". (Convention No. 08/437,656; on 09-05-95 in U.S.A.).

713/Cal/96. Ionica International Limited. "Adaptive filter for use in a tdm/ddma receiver". (Convention No. 9508661.7; on 28-4-95 in U.K.).

714/Cal/96. Ionica International Limited. "Frequency assignment in a cellular radio telecommunications network". (Convention No. 9508639.3 on 28-04-95; in U.K.).

715/Cal/96. SKW Tostberg Aktiengesellschaft. "Process for the production of aromatic nitriles". (Convention No. 19518398.3; on 19-5-95; in Germany).

716/Cal/96. Tomson Consumer Electronics, Inc. "Two band 25 channel cordless telephone system". (Convention No. 9509145.0; on 28-04-95; in Great Britain).

19-04-96

717/Cal/96. Philips Electronics N. V. "Apparatus for recording a digital signal in a first track part of tracks or a magnetic recorder carrier". (Divided out of No. 869/Cal/91 dated 20-11-91).

718/Cal/96. GRP, INC. "Process for making fused cast refractory products". (Convention No. 08/441,901; 16-05-1995; in U.S.A.).

719/Cal/96. N.A.S.C.O. Italia SRL. "Removable antitheft device for vehicles steered with a handle-bar". (Convention No. MI95A000862; on 28-04-1995; in Italy).

720/Cal/96. Chemetall Ges. M.B.H "Solid lubricant, in particular for friction linings, friction lining mixtures and friction linings". (Convention No. 838/95; on 17-05-1995; in Austria).

721/Cal/96. Siemens Aktiengesellschaft. "Chip card with protected operating system".

722/Cal/96. Siemens Aktiengesellschaft. "Multiuser data processing system with memory protection".

723/Cal/96. Krupp Fordertechnik GMBH. "Supporting platform of a hauling equipment with clamping arrangements".

22-04-96

724/Cal/96. Tarun Gupta. "A device for taking out coal sample from wagon for testing and analytical purpose".

725/Cal/96. Alcatel Kabel AG & Co. "Method and apparatus for producing welded joint". (Convention No. 195 25 191.1; on 11-07-95; in Germany).

726/Cal/96. Michael Francese Holick. "Use of emu oil for stimulating skin and hair growth". (Convention No. 08/433,789; on 03-05-95; in U.S.A.).

727/Cal/96. Outboard Marine Corporation. "Method and arrangement for assembling fuel injection nozzles". (Convention No. 08/428,338; on 25-04-1995; in U.S.A.).

728/Cal/96. Ionica International Limited. "Demodulator and a method of demodulation in a TDM receiver". (Convention No. 9509405.8; on 10-05-1995; in United Kingdom).

729/Cal/96. M/s. Ionica International Limited. "A method and apparatus for transmitting a digital data message according to a second frame format". (Convention No. 9509199.7; on 05-05-1995; in U.K.).

730/Cal/96. Fritz Stahlecker. "A clearer roller for a drafting arrangement of a textile machine".

731/Cal/96. Engelhard Corporation. "Method of abating noise and preparation of catalytic material thereof". (Convention No. 08/430,065; on 27-04-95; in U.S.A.).

732/Cal/96. Siemens Aktiengesellschaft. "Method for carrying out distance measurement on an electric high-voltage transmission line".

733/Cal/96. Siemens Aktiengesellschaft. "Electronic debit card and method for recharging an electronic debit card". (Convention No. 95105932.8; on 20-04-95; in E.P.O.).

734/Cal/96. Siemens Aktiengesellschaft. "Licence card controlled chip card system".

735/Cal/96. Eli Lilly and Company. "Process for making heterocyclic compounds". (Convention No. 08/457,082; on 01-06-95; in U.S.A.).

23-04-96

736/Cal/96. Liang-Yuan Chen. "A universal wiper arm connector".

737/Cal/96. Borealis A/S. "Process for manufacturing ldpe polymers". (Convention No. 912098; on 02-05-95; in Finland).

738/Cal/96. Conoco Inc. "Blow spinning die and process for spinning carbon fibers from solvated pitches". (Convention No. 08/478,318; on 07-06-95; in U.S.A.).

739/Cal/96. Samsung Electronics Co. Ltd. "Alert control circuit and method of a paging receiver". (Convention No. 17844/1995; on 28-06-95; in Korea).

740/Cal/96. S. C. Johnson & Son, Inc. "Device for dispensing a volatile active ingredient". (Convention No. 08/437,002; on 08-05-95; in U.S.A.).

24-04-96

741/Cal/96. Owens Corning. "Glass compositions and fibers therefrom". (Convention No. 08/434,223 on 04-05-95; in U.S.A.).

742/Cal/96. Metallgesellschaft Aktiengesellschaft. "Process of producing methanol". (Convention No. 19605572.5; on 15-02-96; in Germany).

743/Cal/96. Satake Engineering Co., Ltd. "Tow stator induction synchronous motor".

744/Cal/96. Technische Glaswerke Ilmenau GMBH. "Borosilicate glass". (Convention No. 19515608.045; on 28-04-95; in Germany).

745/Cal/96. EMS-Inventa AG. "Method for producing polyester Bi-Component Fibers and Filaments, and Fibers and Filaments which can be produced thereby". (Convention No. 195 17 350.3; on 11-05-1995; in Germany).

746/Cal/96. (1) Kumai Chemical Industry Co. Ltd., (2) Ihara Chemical Industry Co., Ltd. "Pyridine derivative and pesticide". (Convention No. 129086/1995; on 28-04-1995; in Japan).

747/Cal/96. Reckitt & Colman Inc. "Volatile substance dispenser with dissipation indication". (Convention No. 08/431103; on 28-04-95; in U.S.A.).

748/Cal/96. Technological Resources Pty. Ltd. "A smelting reduction method with increased effectiveness". (Convention No. 195 18 343.6; on 18-05-1995; in Germany).

25-04-96

749/Cal/96. (1) Aethos Communication Systems, (2) PT Pasifik Satelit Nusantara. "Telecommunications systems". (Convention No. 9508367.1; on 25-4-95; in Great Britain).

750/Cal/96. Windmoller & Holscher. "Doctor blade arrangement for a rinsing inking unit of a rotary printing machine". (Convention No. 19516224.2; on 03-05-95; in Germany).

751/Cal/96. Windmoller & Holscher. "Printing Machine". (Convention No. 19516004.5; on 02-05-95; in Germany).

752/Cal/96. Helmut Lingemann GMBH & Co. "Method of manufacturing flattened tubes for heat exchangers, apparatus and flattened tube". (Convention No. 19535834.1; on 26-09-95; in Germany).

753/Cal/96. Eaton Corporation. "Dual action armature". (Convention No. 481,717; on 06-06-95; in U.S.A.).

754/Cal/96. Eaton Corporation. "Low cost apparatus for detecting arcing faults and circuit breaker incorporating same". (Convention No. 471,132; on 06-06-95; in U.S.A.).

755/Cal/96. WITCO Corporation. "Compositions containing diol and/or diol alkoxylate".

756/Cal/96. Silicon Graphics, Inc. "Page migration in a non-uniform memory access system". (Convention No. 08/435,464 on 05-05-1995; in U.S.A.).

26-04-96

757/Cal/96. Daewoo Electronics Co. Ltd. "Head drum assembly for use in a video cassette recorder". (Convention No. 95-10600; on 29-04-1995 in South Korea).

758/Cal/96. Daewoo Electronic Co. Ltd. "Improved post-processing method and apparatus for use in an image signal decoding system". (Convention No. 95-10440; on 29-04-1995; in South Korea).

759/Cal/96. Daewoo Electronics Co. Ltd. "Apparatus for testing wear-resistance of a pinch roller to be incorporated in a video cassette recorder". (Convention No. 95-9189; on 29-04-95; in South Korea).

760/Cal/96. Yuhan Corporation. "Use of thiotetene derivatives for preventing or treating hepatitis B". (Convention No. 95-10214; on 28-04-95; in South Korea).

761/Cal/96. Daewoo Electronics Co., Ltd. "Apparatus for sputter deposition on a substrate". (Convention No. 95-10601; on 29-04-95; in South Korea).

762/Cal/96. Daewoo Electronics Co., Ltd. "Cam gear for actuating a reel brake mechanism in a video cassette recorder". (Convention No. 95-10598; on 29-04-95; in South Korea).

763/Cal/96. Daewoo Electronics Co. Ltd. "A circuit for correcting tilt of a Monitor". (Convention No. 95-10301; on 28-04-1995 in Korea).

764/Cal/96. Daewoo Electronics Co. Ltd. "A disc player". (Convention No. 95-10924; on 29-04-1995; in Korea).

765/Cal/96. Trutzschler GMBH & Co. KG. "Arrangement in a spinning preparation installation (Cleaning installation) for detecting and separating foreign matter, for example fabric pieces, bands, twine, pieces of film, in and from fibre material". (Convention Nos. P19516567.5; on 05-05-95; in Germany and P19537846.6; on 11-10-95; in Germany).

766/Cal/96. Merck Patent Gesellschaft Mit Beschränkter Haftung. "Pigment preparation". (Convention No. 19516580.2; on 05-05-95; in Germany).

767/Cal/96. Merck Patent Gesellschaft MIT Beschränkter Haftung. "Adhesion receptor antagonists". (Convention No. 19516483.0 on 05-05-95; in Germany).

768/Cal/96. Vangala Pattabhi. "An improved lightweight prefabricated panels and a method of manufacture thereof".

769/Cal/96. Vangala Pattabhi. "An improved lightweight prefabricated constructional element".

770/Cal/96. Tree Tec Pty. Ltd. "Method and grab apparatus for tree removal". (Convention No. PN-2725; on 28-04-95; in Australia).

#### APPLICATION FOR THE PATENT FILED AT PATENT OFFICE BRANCH, MUNICIPAL MARKET BUILDING, IIIRD FLOOR, KAROL BAGH, NEW DELHI

27-11-95

2167/Del/95. Minerals Technologies Inc., U.S.A. "Bleaching of filled paper". (Convention date 28th December 1994) U.S.A.

2168/Del/95. Prof. Dr. Kailash Kumar Gauri, Germany. "Method for recording of biological action potentials, its application in characterising macro and micro-molecules, its application as diagnostic tool for metabolic diseases and in designing foods and drugs".

2169/Del/95. Prof. Dr. Kailash Kumar Gauri, Germany. "Dietary milk and milk products and a process of preparing these substances".

2170/Del/95. Rohm and Haas Company, U.S.A. "Process for producing pure grade acrylic acid". (Convention date 27 October, 1995 and 17th May, 1995) U.S.A.

2171/Del/95. Courtaulds Packaging Limited, U.K. "Compositions and articles produced therefrom". (Convention date 3rd December, 1994) U.K.

2172/Del/95. Indresco Inc., U.S.A. "Improved impactpads for ladies". (Convention date 13th February, 1995) U.S.A.

2173/Del/95. Technological Resources Pty. Limited, Australia. "Apparatus for sieving a particulate material". (Convention date 25th November, 1994) Australia.

2174/Del/95. University of Washington, U.S.A. "Semi-continuous production of solid state polymeric foams".

- 2175/Del/95. Cookson Group Plc., U.K. "Metallization of phosphor screens". (Convention date 30th November, 1994) U.K.
- 2176/Del/95. Cookson Group Plc., U.K. "Process for the metallization of phosphor screens" (Convention date 30th November, 1994) U.K.
- 2177/Del/95. Cookson Group Plc., U.K. "Process of metallizing phosphor screens". (Convention date 30th November 1994) U.K.
- 2178/Del/95. Jervis B. Webb International Company, U.S.A. "Linear induction motor actuated stop". (Convention date 2nd December, 1994) U.S.A.
- 2179/Del/95. Sung Moon Electronics Co., Ltd. Korea. "Methods for making zinc metallized film for film capacitors exhibiting improved adhesion and thereby having excellent antioxidation characteristics".
- 2180/Del/95. Texas Industries, Inc., U.S.A. "Method and apparatus for using blast-furnace slag cement clinker production". (Convention date 15-03-95) U.S.A.
- 2181/Del/95. Jong Chun Kim, Korea. "Technology of reinforcing soft grounds". (Convention date 29-11-1994 and 15-04-1995) Korea.
- 28-11-95
- 2182/Del/95. Shriram Institute for Industrial Research, Delhi. "A non toxic polyvinyl chloride sheet".
- 2183/Del/95. Indian Institute of Technology, New Delhi. "A speed control device".
- 2184/Del/95. Shriram Institute for Industrial Research, Delhi. "A non toxic polyvinyl chloride sheet."
- 2185/Del/95. Shriram Institute for Industrial Research, Delhi. "A non toxic polyvinyl chloride tubing".
- 2186/Del/95. Shriram Institute for Industrial Research, Delhi. "A non toxic polyvinyl chloride port".
- 2187/Del/95. Prof. Dr. Kailash Kumar Gauri, Germany. "Method of monitoring blood sugar levels in body fluids, treatment of blood sugar related disorders and a preparation for treating the sugar related disorders in human beings and animal's".
- 2188/Del/95. Rhone-Poulenc Chimie, France. "Gel of an apolar medium, its use for the preparation of water-based drilling fluids". (Convention date 28th November, 1995, 19th May 1995, 19th May 1995 and 17th July, 1995) France.
- 2189/Del/95. Brupat Limited, U.K. "Improved preloaded joining link". (Convention date 29th November, 1994) U.K.
- 2190/Del/95. Bayer Aktiengesellschaft, Germany. "Pressure-compensated electrochemical cell".
- 2191/Del/95. British Airways Plc., England. "A seating unit". (Convention date 13th December, 1994 and 2nd June 1995) U.K.
- 2192/Del/95. Motorola, Inc., U.S.A. "Method for channel scanning".
- 2193/Del/95. Hydro-Quebec, Canada. "Method and apparatus for starting up a synchronous machine".
- 2194/Del/95. The Pillsbury Company, U.S.A. "Catabolite non-repressed substrate-limited yeast strains". (Convention date 8th May, 1995) U.S.A.
- 2195/Del/95. United Resource Recovery Corporation, U.S.A. "Process for recycling polyesters". (Convention date 7th March, 1995) U.S.A.
- 2196/Del/95. Valeo Equipments Electriques Moteur, France. "Motor vehicle starter having an improved driver body".
- 29-11-95
- 2197/Del/95. Kumar Gaurav Raghava, Delhi. "Improvement of postage hand cancellation equipment".
- 2198/Del/95. The Procter & Gamble Company, U.S.A. "Stretchable absorbent article core". (Convention date 30th November 1994) U.S.A.
- 2199/Del/95. The Procter & Gamble Company, U.S.A. "Method and apparatus for making stretchable absorbent articles". (Convention date 30th November, 1994) U.S.A.
- 2200/Del/95. The Procter & Gamble Company, U.S.A. "Absorbent article having multiple effective height transverse partition". (Convention date 30th November 1994) U.S.A.
- 2201/Del/95. Sony Corporation, Japan. "Plasma addressed display device".
- 2202/Del/95. Sony Corporation, Japan. "Plasma driver circuit capable of suppressing surge current of plasma display channel".
- 2203/Del/95. Agrolinz Melamin GMBH, Austria. "Process for the production of highly pure melamine".
- 2204/Del/95. Agrolinz Melamin GMBH, Austria. "Process for the purification of melamine".
- 2205/Del/95. Japan EM Co., Ltd., Japan. "Apparatus for measuring dimension of article and scale to be used in the same". (15th Nov., 1995) Japan.
- 2206/Del/95. Billition Intellectual Property B.V., Netherlands. "Process for the precipitation of aluminum trihydroxide from a supersaturated sodium aluminate solution".
- 2207/Del/95. Intel Corporation, U.S.A. "Method and apparatus for dynamically generating and maintaining frame based polling schedules for polling isochronous and asynchronous functions that guaranty latencies and bandwidths to the isochronous functions".
- 30-11-95
- 2208/Del/95. Amarnath Maitra, Tapas Kumar De and Nelu Munshi, Delhi. "Preparation of below 100 NM diameter and monodispersed drug-loaded nanoparticles through microemulsion mediated system".
- 1-12-1995
- 2209/Del/95. Union Oil Company of California, U.S.A. "Ultra-High Temperature Stable Gels". (Convention date 30th Nov. 94) U.S.A.
- 2210/Del/95. Imperial Chemical Industries PLC, United Kingdom. "Surfactants". (Convention date 2nd Dec., 94) U.K.
- 2211/Del/95. Kenetech Windpower, INC., U.S.A. "Doubly-Salient Permanent Machine". (Convention date 21st March, 95) U.S.A.
- 2212/Del/95. Corning Corporation, U.S.A. "Method and apparatus for forming controlled planarizing layer for a Color Filter". (Convention date 8th Feb., 95) U.S.A.
- 2213/Del/95. Sony Corporation, Japan. "Plasma Addressed Liquid Crystal Display Device and method of Manufacturing Same".
- 2214/Del/95. The Coca-Cola Co., U.S.A. "Container for Bottles or Cans".
- 2215/Del/95. Ceeto Machinery Manufacturing Ltd., Canada. "Apparatus for and method of continuously spooling a continuous filament on reels with accessible long inside ends". (Convention date 27th Feb. 95) U.S.A.

- 2216/Del/95. Ceeco Machinery Manufacturing Ltd., Canada. "Apparatus and method for the manufacture of Uniform Impedance Communication Cable for High Frequency Use". (Convention datee 9th June, 95) U.S.A.
- 2217/Del/95. Honda Giken Kogyo Kabushiki Kaisha., Japan. "Power Transmission Device".
- 2218/Del/95. United Technologies Automotive Systems, INC., U.S.A. "Modular Steering Wheel and Air Bag Combination". (Convention date 1st Sep., 95 & 24th October, 95) U.S.A.
- 2219/Del/95. International Business Machine Corporation, U.S.A. "An Apparatus for Accessing system utilities in a Computer".
- 2220 Del/95. The Procter & Gamble Company, U.S.A. "Cleansing Compositions". (Convention date 3rd Dec., 94) U.K.
- 2221/Del/95. The Procter & Gamble Company, U.S.A. "Detergent Compositions". (Convention date 1st Dec., 94) U.K.
- 2222/Del/95. The Procter & Gamble Company, U.S.A. "Strong and Soft Creped Tissue Paper and process for making the same by use of Biodegradable Crepe Facilitating Compositions". (Convention date 2nd Dec., 94) U.S.A.
- 2223/Del/95. The Procter & Gamble Company, U.S.A. "Cleansing Compositions". (Convention date 5th Dec., 94) U.K.
- 2224/Del/95. The Procter & Gamble Company, U.S.A. "Cleansing Compositions" (Convention date 3rd Dec., 94) U.K.
- 2225/Del/95. Galol S. A. Spain. "Procedure for Anticorrosive treatment for Braided Cables and Pulling System". (Convention date 3rd Dec., 1994) Spain.
- 2226/Del/95. BOC Gases Australia Ltd., Australia. "Physical Separation Process for Mineral Slurries".
- 2227/Del/95. Alliedsignal Inc., U.S.A. "Secondary Locking Mechanism for Retractor with Pretensioner".
- 2228/Del/95. Sony Corporation, Japan. "Apparatus for Reproducing Sound Source Data".
- 2229.Del/95. Sony Corporation, Japan. "Recording Medium Apparatus and Medium for Generating Digital Sound Source".
- 2230/Del/95. Alliedsignal Inc., U.S.A. "Seat Belt Retractor with Energy Absorbing Lock Wheels".
- 2231/Del/95. B. P. Chemicals Ltd., England. "Ethylene Conversion Process". (Convention date 6th Dec., 94) U.K.
- 2232/Del/95. National Institute of Immunology, India. "Isolation of The Novel Agent from Human Stools Samples that is associated with Sporadic Non-A, Non-B Hepatitis".
- 4-12-1995
- 2233/Del/95. Steel Authority of India Ltd., India. "An Improved Burner Operable from Dual Fuel's Supplied Simultaneously or Singly".
- 2234/Del/95. Steel Authority of India Ltd., India. "An Improved Burner Operable from Lean Gases and Low Viscous Oils, Supplied Simultaneously or Singly".
- 2235/Del/95. Dr. B. P. Tamrakar, MD (AY), India. Pathogenesis & Treatment Through Thaile Herb. (Compound of Medicinal Plant) of the ilasimla.
- 2236/Del/95. Dharan Pal Gupta, Chairman. Autopal Industries Ltd., Jaipur, "Quid-Compact Fluorescent Lamp as Energy Saving Lamp".
- 2237/Del/95. Karl Fischer Industrieanlagen GMBH., Germany. "Reactor Device for Free-Flowing and Higher-Viscosity Media". (Convention date 12th Sep., 95) Germany.
- 2238/Del/95. Sony Corporation, Japan. "Video Signal Aspect Ratio Conversion Apparatus".
- 2239/Del/95. Alliedsignal Inc., U.S.A. Optical Device comprising a plurality of units having at least two geometrically differentiated Tapered Optical Waveguides Therein.
- 2240/Del/95. B. P. Chemicals Ltd., England. "Ionic Liquids". (Convention date 13th Dec., 1994) U.K.
- 2241/Del/95. Arun Kumar, India "A Door Viewer and is an improved in or a modification of the Invention".
- 2242/Del/95. National Research Development Corporation of India, India. "An Emulsion Paint to a process for the preparation thereof".
- 2243/Del/95. Arun Kumar, India. "A Door Viewer".
- 2244/Del/95. Bharat Heavy Electricals Ltd., BHEL House, India. "A Device and method for providing safety of a Wind Electric Generator against excessive Yan Rotation".
- 5-12-95
- 2245/Del/95. Steel Authority of India Ltd., India. "A process of producing an improved welding electrode for Wear Resistant hardfacing of blast furnace bells and hoopers and the method of application of the said Electrode".
- 2246/Del/95. Motorola Inc., U.S.A. "Satellite Fueling System and method therefor". (Convention date 19th Jan., 95) U.S.A.
- 2247/Del/95. Corning Incorporated., U.S.A. "Brown Photochromic Glasses and manufacture thereof".
- 2248/Del/95. Astra Aktiebolag, Sweden. "Therapeutic Preparations for Inhalation". (Convention date 22nd Dec., 94 & 12th July, 95) Sweden.
- 2249/Del/95. The Procter & Gamble Company, U.S.A. "Shelf Stable Skin Cleansing Liquid with Gel forming Polymer Lipid and Crystalline Ethylene Glycol Fatty Acid Ester". (Convention date 6th Dec., 94) U.S.A.
- 2250/Del/95. The Procter & Gamble Company, U.S.A. "Shelf Stable Skin Cleansing Liquid with Gel forming Polymer and Lipid". (Convention date 6th Dec., 94) U.S.A.
- 2251/Del/95. The Procter & Gamble Company, U.S.A. "Absorbent Article having a Selectively Weakened Pocket Cuff". (Convention date 6th Dec., 94) U.S.A.
- 2252/Del/95. The Procter & Gamble Company, U.S.A. "Absorbent Article having a Pocket Cuff with a Releasable Seam". (Convention date 6th Dec., 94) U.S.A.
- 2253/Del/95. The Procter & Gamble Company, U.S.A. "Diaper Having Expulsive Spacer". (Convention date 9th Dec., 94) U.S.A.
- 2254/Del/95. Texaco Development Corporation, U.S.A. "Vanadium addition to Petroleum Coke Slurries to Facilitate Deslagging for Controlled Oxidation." (Convention date 8th December, 1994) U.S.A.

2255/Del/95. Cyberworks Interactive LLC, U.S.A. "Optically Readable Thin Film Digital Data Storage Medium and Playback Adaptor".

2256/Del/95. Construction Casting Co., U.S.A. "Method and Apparatus for Adding a Double Liner to a Trench".

6-12-1995

2257/Del/95. Alcan International Ltd., Canada. "Composition for Surface Treatment". (Convention date 7th Dec., 94) U.K.

2258/Del/95. The Trustees of the Don Trust, Islands. "Pre-Cast Building Methods and Components". (Convention date 7th Feb., 95) U.S.A.

7-12-1995

2259/Del/95. LG Electronics Inc., Korea. "Washing Apparatus of a full Automatic Washing Machine Incorporated with a Washing Course of Dry-Marked Clothes".

2260/Del/95. Pfizer Inc., U.S.A. "Squalene Synthetase Inhibitors".

2261/Del/95. Alliedsignal Europe Services Techniques, France. "Boosted Braking Device with Reduced Travel". (Convention date 18th January, 1995) France.

2262/Del/95. Honda Giken Kogyo Kabushiki Kaisha, Japan. "Battery Charge". (Convention date 25th Aug., 95) Japan.

2263/Del/95. Honda Giken Kogyo Kabushiki Kaisha, Japan. "Combined Battery". (Convention date 25th Aug., 95, Japan).

2264/Del/95. Honda Giken Kogyo Kabushiki Kaisha, Japan. "Battery case Mounting Structure for Motor-Driven Vehicle". (Convention date 25th Aug., 95, Japan).

8-12-1995

2265/Del/95. The Procter & Gamble Co., U.S.A. "Absorbent Composites and Absorbent Articles Containing the Same". (Convention date 9th Dec., 1994) U.S.A.

2266/Del/95. Olav Hofseth, Norway. "Valve particularly for Vacuum Drainage Systems".

2267/Del/95. Imperial Chemical Industries PLC., U.K. "Hydrogenation Catalyst and Process". (Convention date 9th Dec., 94, U.K. & 13th Dec., 94) U.K.

2268/Del/95. Alcatel Standard Electrica S.A., Spain. "Subscriber Identity Authentication in fixed Cellular Terminals".

2269/Del/95. Northern Research & Engineering Corporation, U.S.A. "Brayton Cycle Industries Air Compressor".

2270/Del/95. Rohm and Haas Company, U.S.A. "Preparation of Butadiene-Based Impact Modifiers".

11-12-1995

2271/Del/95. Aerovox Incorporated, Toray Plastics America Inc., and Toray Industries, Inc., Japan. "Metallized Film for Electrical Capacitors". (Convention date 16th Dec., 94) U.K.

2272/Del/95. Agrolinz Melamin GMBH, Austria. "Process for the Purification of Melamine". (Convention date 3rd Feb., 95) Austria.

2273/Del/95. Corning Incorporated, U.S.A. "Method for Monitoring the position of a Fibre".

2274/Del/95. Amoco Corporation, U.S.A. Process for Hydroshifting Dimethyl Ether.

2275/Del/95. Hercules Incorporated, U.S.A. Photosensitive Compositions and clean Running Photopolymer Printing Plates Therefrom.

2276/Del/95. British Aerospace Public Ltd. Co., England. "Heat Treatment of Aluminium Lithium Alloys".

2277/Del/95. Sony Corporation, Japan. "Noise Reducing Method for Digital Video Signal".

2278/Del/95. Steel Authority of India Ltd., New Delhi. A SiC Based Aluminous Castable for Lining Blast Furnace Troughs/Runners and a process for producing the same.

12-12-95.

2279/Del/95. Komal Chandra Vasaniya, New Delhi. Internal Combustion Engine without Piston and Connecting Rod.

2280/Del/95. Sunil Khatri, Proprietor of Rajasthan. Improved Shampoo Preparation.

2281/Del/95. Strix Limited, Isle, Liquid Heating Vessels. (Convention date 13th December 94, 20th July, 95 and 11th Oct., 95) Great Britain.

2282/Del/95. The Procter & Gamble Co., U.S.A. "Ester Oligomers suitable as Soil Release Agents in Detergent Compositions". (Convention date 14th Dec., 94 and 22nd Nov., 95) U.S.A.

2283/Del/95. The Procter & Gamble Company, U.S.A. "Absorbent Article with Fit Enhancement System". (Convention date 16th December, 1994) U.S.A.

2284/Del/95. The Procter & Gamble Company, U.S.A. "Tissue Paper Product Comprising a quaternary Ammonium Compound, A Polysiloxane Compound and Binder Materials". (Convention date 19th Dec., 94) U.S.A.

2285/Del/95. The Procter & Gamble Company, U.S.A. and Aspla Plasticos Espanoles S.A., U.S.A. Bag Container and Process for Making it. (Convention date 22nd Dec., 94) U.K.

2286/Del/95. The Procter & Gamble Company, U.S.A. "Medicated Tissue Paper Product". (Convention date 19th December, 1994)—U.S.A.

2287/Del/95. Sony Corporation, Japan. "Recording and/or Reproducing Apparatus and Recording medium having program area and text information area correspond".

2288/Del/95. Sony Corporation, Japan. "Lens moving apparatus (not using yoke bridge)".

2289/Del/95. Rhone-Poulenc Fiber and Resin Intermediates, France. Process for Hemihydrogenation of Dinitriles to Aminonitriles. (Convention date 14th December, 1994)—France.

2290/Del/95. BEE Chemical Company, U.S.A. "Chlorine-free, Zero VOC, waterborne adhesion promoter for polyolefinic substrates." (Convention date 1st February, 1995)—U.S.A.

2291/Del/95. Clin-Lok International Limited, Islands. Hinged Box.

2292/Del/95.5 Sony Corporation, Japan. Digital Signal Modulation method and Apparatus. (Convention date 5th September, 1995)—Japan

2293/Del/95. Zenecon Limited, England. "Monoazo Pigments." (Convention date 20th January, 1995)—U.K.

2294/Del/95. Zenecon Limited, England. "Monoazo Pigments." (Convention date 20th January, 1995)—U.K.

13-12-95

- 2295/Del/95. Council of Scientific and Industrial Research, New Delhi. "A process for manufacture of Acoustic/Insulation Tiles from wool (Slag Wool Fibres.)"
- 2296/Del/95. Council of Scientific and Industrial Research, New Delhi. "An improved leak proofing composition."
- 2297/Del/95. Council of Scientific and Industrial Research, New Delhi. "A new process for the preparation of pyrrolo (2, 1-C) (1, 4)-Benzodiazepine Antitumour Antibiotics such as Znthramycin, Chemycin and DC-812."
- 2298/Del/95. Council of Scientific and Industrial Research, New Delhi. "An improved coating composition useful for preparation of Flexographic Printing Ink for application on synthetic surface and Flexographic Printing Ink prepared thereby"
- 2299/Del/95. Council of Scientific and Industrial Research, New Delhi. "An improved super capacitor."
- 2300/Del/95. Council of Scientific and Industrial Research, New Delhi. "An improved carbon/alkali carbonate and amino guanidine bicarbonate electrolyte/carbon electrical double layer normal cum super capacitor."
- 2301/Del/95. Council of Scientific and Industrial Research, New Delhi. "New process for milling of malted cereals to prepare enzyme-rich flour."
- 2302/Del/95. Council of Scientific and Industrial Research, New Delhi. "Use of pregnane compound as hypolipidemic drug."
- 2303/Del/95. Council of Scientific and Industrial Research, New Delhi. "An improved process for making article for serving food."
- 2304/Del/95. Council of Scientific and Industrial Research, New Delhi. "An improved roof drilling cum bolting device."
- 2305/Del/95. Bharat Heavy Electricals Ltd., New Delhi. "Water Cooled Air Distributor for bubbling FBC Boilers."
- 2306/Del/95. The Glacier Metal Company Limited, England. Fluid Circulation Centrifugal Cleaner. (Convention date 12th January, 1995)—U.K.
- 2307/Del/95. Sony Corporation, Japan. "Apparatus and method for decoding data."
- 2308/Del/95. Sony Corporation, Japan. "Radio-Integrated video tape recorder (VTR)."
- 2309/Del/95. Motorola, Inc., U.S.A. "Method for selecting battery saving period in a selective call receiver."
- 2310/Del/95. Nissel ASB Machine Co. Ltd., Japan. "Blow molding apparatus and method."
- 2311/Del/95. Sony Corporation, Japan. "Disk reproducing apparatus."
- 2312/Del/95. Sony Corporation, Japan. "Apparatus and method for reproducing data from multi-layered disk."

14-12-95

- 2313/Del/95. Dr. Sujoy Kumar Guha, New Delhi. "Double cover, peel open, medical device package without adhesives."
- 2314/Del/95. General Electric Company, U.S.A. "Sodium Halide Discharge Lamp." (Convention date 21st February, 1995)—U.S.A.
- 2315/Del/95. Martin Marietta Corporation, U.S.A. "Half-wave Brushless, four phase DC motor with bifilar windings." (Convention date 17th April, 1995)—U.S.A.

- 2316/Del/95. Union Oil Company of California, U.S.A. "Method for modifying gelation time of organically crosslinked aqueous gels" (Convention date 21st December, 1995)—U.S.A.
- 2317/Del/95. Hercules Incorporated, U.S.A. "Process for producing fibers for high strength non-woven materials, and the resulting fibres and nonwovens."
- 2318/Del/95. Eastman Chemical Company, U.S.A. "Process for preparing polyesters." (Convention date 27th March, 1995)—U.S.A.
- 2319/Del/95. Cominco Engineering Services Ltd., Canada. "Chloride Assisted Hydrometallurgical Extraction of metal."
- 2320/Del/95. Alliedsignal Inc., U.S.A. "Illumination system Employing an array of microprisms." (Convention date 3rd January, 1995)—U.S.A.

15-12-95

- 2321/Del/95. Dr. Bishnu Pada Sarkar, Dr. Som Nath Mahendra, and Shri Mahadev Prasad, Varanasi. "Assembly for detection of weft yarn breakage in a handloom for the blind weavers."
- 2322/Del/95. Dr. Bishnu Pada Sarkar, Dr. Som Nath Mahendra, and Shri Mahadev Prasad, Varanasi. "Assembly for detection of warp yarn breakage in a handloom for the blind weavers."
- 2323/Del/95. Tribhuwan Prasad Joshi, U.P. "A Conveyer device."
- 2324/Del/95. The Procter & Gamble Company, U.S.A. "Reclosable pouch and method of construction." (Convention date 19th December, 1994)—U.S.A.
- 2325/Del/95. The Procter & Gamble Company, U.S.A. "Perfumed bleaching compositions." (Convention date 21st December, 1994)—U.K.
- 2326/Del/95. The Procter & Gamble Company, U.S.A. "Process of preparing pharmaceutical compositions." (Convention date 23rd December, 1994)—U.K.
- 2327/Del/95. The Procter & Gamble Company, U.S.A. "Process of preparing pharmaceutical composition." Convention date 23rd December, 1994)—U.K.
- 2328/Del/95. The Procter & Gamble Company, U.S.A. "Method of making an undergarment having overlapping or butt-side seams and apparatus for carrying out said method." (Convention date 24th December, 1994)—U.K.
- 2329/Del/95. The Procter & Gamble Company, U.S.A. "Collapsible Scoop." (Convention date 30th December, 1994)—U.K.
- 2330/Del/95. The Procter & Gamble Company, U.S.A. "A flexible planar gusseted package for dispensing a product through a fitment." (Convention date 19th December, 1994)—U.S.A.
- 2331/Del/95. Lenzing Aktiengesellschaft, Austria. "Spinning device."
- 2332/Del/95. The Goodyear Tire & Rubber Company U.S.A. "Method and apparatus for cutting a cord reinforced elastomeric laminate."
- 2333/Del/95. Colgate-Palmolive Company U.S.A. "Hair conditioner compositions having improved freezing and freeze-thaw stability." (Convention date 1st December, 1995)—U.S.A.
- 2334/Del/95. Praxair Technology, Inc., U.S.A. "Cryogenic rectification system for fluorine compound recovery." (Convention date 16th February, 1995)—U.S.A.

- 2335/Del/95. The Siemon Company, U.S.A. "Reduced crosstalk modular outlet." (Convention date 22nd November, 1995)—U.S.A.
- 2336/Del/95. Director, New Delhi. "A process for producing and expressing devr protein of mycobacterium tuberculosis."
- 2337/Del/95. The Chief Controller Research & Development, Ministry of Defence, Government of India, New Delhi. "A process for the preparation of antioxygenic salt."
- 2338/Del/95. The Chief Controller Research & Development, Ministry of Defence, Government of India, New Delhi. "The Composite Propellant."

18-12-95

- 2339/Del/95. Sun Star Engineering Inc., Japan. "Rotary member for transmitting drive force/brake force". (Convention date 1st Dec., 95) Japan.
- 2340/Del/95. Zoran Pavlovic, U.S.A. "Mathematical puzzle type game". (Convention date 19-12-1994) U.S.A.
- 2341/Del/95. The Procter & Gamble Company, U.S.A. "An absorbent article having integral barrier cuffs and process for making the same". (Convention date 21st December, 1994) U.S.A.
- 2442/Del/95. The Procter & Gamble Company, U.S.A. "Compositions for visually improving skin". (Convention date 7th June, 1995 & 11th December, 1995) U.S.A.
- 2343/Del/95. Hampshire Chemical Corp., U.S.A. "Herbicidal compositions".
- 2344/Del/95. Commodore Laboratories Incorporated, U.S.A. "Elimination of cyanides in the dehalogenation of halofluorocarbons". (Convention date 5th May, 1995) U.S.A.

- 2345/Del/95. Corning France S.A. France. "High index glasses". (Convention date 7th March, 1995) France.
- 2346/Del/95. A-Cell Acetyl Cellulosics AB., Sweden. "Acetylation of lignocellulosic fibres". (Convention date 19th December, 1994) U.K.
- 2347/Del/95. Astra Aktiebolag, Sweden. "Process for the preparation of powders for inhalation and powders obtainable thereby". (Convention date 22nd December, 94 & 30th June, 95) Sweden.
- 2348/Del/95. Zeneca Limited, England. "Chemical Compounds". (Conventional date 23rd December, 1994) U.K.

- 2349/Del/95. Zeneca Limited, England. "Chemical compounds". (Convention date 23rd December, & 16th August, 1995) U.K.
- 2350/Del/95. Zeneca Limited, England. "Chemical Compounds". (Convention date 24th December, 1994 & 23rd March, 1995 & 7th July, 1995) U.K.

- 2351/Del/95. Suresh Kumar Chawla, Indian. "Technology interiors".

19-12-95

- 2352/Del/95. Chief Controller Research & Development, India. "A process for preparation of dal flakes".
- 2353/Del/95. British United Shoe Machinery Limited, England. "Chillers". (Convention date 5th January, 1995) U.K.
- 2354/Del/95. Scientific Design Company Inc., U.S.A. "Silver catalyst preparation".
- 2355/Del/95. Sony Corporation, Japan. "Digital audio signal coding and/or decoding method".

- 2356/Del/95. Pepperl & Fuchs Manufacturing (GB) Limited, U.K. "Improvements in or relating to electrically isolated transducer circuits". (Convention date 19th December, 1994) U.K.
- 2357/Del/95. Heart Technology Inc. "Shape wire multi-burr rotational ablation device". (Convention date 20th December, 1994) U.S.A.
- 2358/Del/95. Samsung electronics Co. Ltd. "Recordable replayable optical recording medium and optical recording method therefor".
- 2359/Del/95. Delsey, France. "Device with several modes of transport, notably for school children". (Convention date 19th December 1994) France.

20-12-95

- 2360/Del/95. Harbindir Singh Purewal (H.P.). "Wrist watch of plastic with case hinge to strap".
- 2361/Del/95. Solvay Deutschland GmbH, Germany. "Catalytic wastewater treatment process".
- 2362/Del/95. The Trustees of the Don Trust, Island. "Form for precast building components". (Convention date 6th July, 1995) U.S.A.
- 2363/Del/95. Hercules Incorporated, U.S.A. "Crosslinked acidic polysaccharides and their uses".
- 2364/Del/95. Advanced Elastomer Systems, L.P., U.S.A. "Method to adhere elastomeric blends to polyester substrates".
- 2365/Del/95. Tioxide Group Services Limited, England. "Gloss emulsion paints". (Convention date 11th January, 1995) U.K.
- 2366/Del/95. Industrie Ilpea S.P.A., Italy. "Gaskets especially for refrigerators made from polymeric material". (Convention date 20th December, 1994) Italy.

21-12-95

- 2367/Del/95. Council of Scientific & Industrial Research, New Delhi. "An improved process for the non-destructive isolation of carotenes from crude palm oil".
- 2368/Del/95. Council of Scientific & Industrial Research, New Delhi. "An improved process for the oxidation of pseudodiosgenindiacetate to d'osone for the production of 16-dehydrop-regnenolone acetate".
- 2369/Del/95. Council of Scientific & Industrial Research, New Delhi. "An improved process for the preparation of immobilized enzymes useful for making drug intermediates, flavouring agents & food additives".
- 2370/Del/95. Council of Scientific & Industrial Research, New Delhi. "An improved process for preparation of bismuth based oxide superconductor tapes with very high critical current densities".
- 2371/Del/95. Council of Scientific & Industrial Research, New Delhi. "A device for producing electrical power".

- 2372/Del/95. Council of Scientific & Industrial Research, New Delhi. "An apparatus useful for the preparation of uniform films of a viscous fluid".
- 2373/Del/95. Council of Scientific & Industrial Research, New Delhi. "A process for the fabrication of flat and flexible electroluminescent panel useful for displays and illumination and an electroluminescent panel made thereby".
- 2374/Del/95. Council of Scientific & Industrial Research, New Delhi. "An improved process for the preparation of electroluminescent powder and an improved process for the preparation of electroluminescent powder".

- 2375/Del/95. CCL Systems Limited, England. "Anchorage assembly". (Convention date 24th December, 1994) U.K.
- 2376/Del/95. General Electric Company, U.S.A. "Improved phosphor distribution for helical compact fluorescent lamp". (Convention date 31st March, 1995) U.S.A.
- 2377/Del/95. General Electrical Company, U.S.A. "Compact fluorescent lamp using a light reflecting adhesive material". (Convention date 31st March, 1995) U.S.A.
- 2378/Del/95. General Electrical Company, U.S.A. "A compact fluorescent lamp having a helical lamp envelope". (Convention date 31st March, 1995) U.S.A.
- 2379/Del/95. Biochem Pharma Inc., Canada. "Heterocyclic keto arginine peptides as thrombin inhibitors and a process for preparing the same". (Convention date 22-12-1994, 17-2-1995, 6-3-1995 & 6-3-1995) U.K.
- 2380/Del/95. Pfizer Inc., U.S.A. "Estrogen agonists/Antagonists". (Convention date 9th January, 1995) U.S.A.
- 2381/Del/95. Astra Aktiebolag, Sweden. "Inhalation device". (Convention date, 21st December, 1994) Sweden.
- 2382/Del/95. Alcoa Closure Systems International Inc., U.S.A. "A substantially linear polyethylene sealing liner for a closure". (Convention date 29th Dec., 94) U.S.A.
- 2383/Del/95. Optatech Corporation, Finland. "A polyolefine polyacrylate based thermoplastic elastomer". (Convention date 21st April, 1995) Finland.
- 2384/Del/95. California Institute of Technology, U.S.A. "Metallic glass alloys of Zr,Ti,Cu and N". (Convention date 8th Dec., 95) U.S.A.
- 2385/Del/95. Sony Corporation, Japan. "Speech encoding method".
- 2386/Del/95. Eco-design Foundation Inc., Australia. "Solar street light control system". (Convention date 23rd Dec., 94) Australia.
- 2387/Del/95. The Procter & Gamble Company, U.S.A. "Absorbent article comprising a backsheet having front waist section forming a landing zone for a mechanical fastening element". (Convention date 29th Dec., 94) U.K.
- 2388/Del/95. Strix Limited, Ronaldswamy. "Electrical heating elements". (Convention date 21st December, 1994) G.B.
- 2389/Del/95. The Secretary, Department of Biotechnology, New Delhi, "A targeted drug delivery carriers".
- 2390/Del/95. The Secretary, Department of Biotechnology, New Delhi, "A process for producing a targeted gene or drug delivery carrier".
- 2391/Del/95. The Chief Controller, Research & Development, New Delhi. "An improved elastomer-preparation thereof".
- 22-12-95
- 2392/Del/95. Smithkline Beecham Corporation, U.S.A. "D, 4-(Disubstituted) cyclohexan-1-ols monomers and relating compounds".
- 2393/Del/95. Astra Aktiebolag, Sweden. "Powder formulations". (Convention date 22nd December, 1994) Sweden.
- 2394/Del/95. Astra Aktiebolag, Sweden. "Aerosol drug formulations". (Convention date 22nd December, 1994 & 6th July, 1995) Sweden.
- 2395/Del/95. Smithkline Beecham P.L.C., England. "Novel compounds". (Convention date, 22nd December, 1994 & 22nd December, 1994, 8th June, 1995, 8th June, 1995) U.K.
- 2396/Del/95. Smithkline Beecham P.L.C., England. "Novel compounds". (Convention date, 22nd December, 1994 & 24th June, 1995) U.K.
- 2397/Del/95. Dr. Karl Thomag, Gesellschaft Mit Beschränkter Haftung, Germany. "Piperazine derivatives medicaments comprising these compounds. Their use and process for their preparation". (Convention date 21st July, 1995 & 12th September, 1995) Germany.
- 2398/Del/95. Astra Aktiebolag, Sweden. "Aerosol formulations of peptides and proteins" (Convention date 22nd December, 1994 & 6th July, 1995) Sweden.
- 2399/Del/95. Biochem Pharma Inc., Canada. "Low molecular weight bicyclic thrombin inhibitors". (Convention date 22-12-1994 & 17-2-1995, 22-5-1995, 22-5-1995) U.K.
- 2400/Del/95. Texaco Development Corporation, U.S.A. "Method of monitoring slag removal during controlled oxidation of partial oxidation reactor". (Convention date 29th December, 1994) U.S.A.
- 2401/Del/95. Chief Controller, Research & Development, New Delhi, "The process for the manufacture of flexible sheet explosive based on hydroxy terminated poly-butadiene & product thereof".
- 2402/Del/95. Daya Engineering Works (Sleeper) Ltd. Delhi. "A guide plate for use with a nail fastener elastic clip".

**APPLICATIONS FOR PATENTS FILED AT THE PATENT OFFICE BRANCH, 61, WALLAJAH ROAD.  
MADRAS-600 002**

6th November 1995

- 1432/Mas/95. ABB Management AG. A current limiter device.
- 1433/Mas/95. Ing. Brusa Ugo. Reactor for heating and treating materials in a controlled atmosphere.
- 1434/Mas/95. Novo Nordisk A/S. A method of treating urinary bladder dysfunctions.
- 1435/Mas/95. Novo Nordisk A/S. A method of treating urinary bladder dysfunctions.

8th November 1995

- 1436/Mas/95. Arun Kumar Vasudevan Nair. Nasal Air Filter.
- 1437/Mas/95. ABB Flakt Aktiebolag. Method for separating substances from a gaseous medium by dry absorption.
- 1438/Mas/95. Mannesmann Aktiengesellschaft. Process and apparatus to treat a metal melt disposed in a metallurgical vessel.
- 1439/Mas/95. Nippon Paper Industries Co. Ltd. Vector for introducing a gene into a plant and methods for producing transgenic plants and multitudinously introducing genes into a plant using this vector. (May 31, 1995; Japan).
- 1440/Mas/95. Mobil Oil Corporation. Synthetic porous crystalline MCM-60 its synthesis and use.
- 1441/Mas/95. ELF Atochem SA. Preparation of 1,anesulfonic acids by photo-oxidation of sulphur-containing derivatives.
- 1442/Mas/95. Rosemount Inc. Transmitter with fill fluid loss detection.
- 1443/Mas/95. M. & G. Ricerche S.p.A. Process for the crystallization of polyester resins,

1444/Mas/95. Institut Francais Du Petrole. Lubricating composition including an ester-use of the composition and well fluid including the composition.

1445/Mas/95. E.I.D. Parry (India) Ltd. A process of preparing a bio-pesticides neem extract.

9th November 1995

1446/Mas/95. Palitex Project-Company GmbH. Device for change-over switching of individual electric motors or groups of electric motors.

1447/Mas/95. Societe Des Produits nestle S.A. Method and device for manufacturing frozen aerated products.

1448/Mas/95. Enichem Elastomeri Srl. Supported catalytic system for the production of ethylene propylene copolymers.

1449/Mas/95. BASF Aktiengesellschaft. 2-(alkoxy-6-trifluoromethyl-pyrimidin-4-yl) oxymethylene)-phenylacetic acid derivatives, their preparation and intermediates therefor, and use thereof.

1450/Mas/95. BASF Aktiengesellschaft. Methine and azamethine dyes based on trifluoromethyl-pyridone.

1451/Mas/95. Dynamit Nobel Aktiengesellschaft. Liquid gas generator.

1452/Mas/95. Akzo Nobel nv. Process for the preparation of polyesters and copolyesters.

1453/Mas/95. Usinor Sacilor (Societe Anonyme) und hyssen Stahl Aktiengesellschaft. Device for supporting a sidewall of a plant for the continuous twin roll casting of metal strip.

10th November, 1995

1454/Mas/95. S.A.R. Navakodi Allirajen. Video cassette recorders and Televisions with memory and processor and software to receive and store and display television programme timing and manage the recording of programmes.

1455/Mas/95. Lucas Industries Public Limited Company. Ring fastener. Apparatus for installing same and installation method for the ring fastener.

1456/Mas/95. Bracco Research S.A. Microcapsules, method of making and their use.

1457/Mas/95. Golden Lady S.p.A. Device for closing the initial and of knitted article such as a sock to other.

1458/Mas/95. ZF Friedrichshafen AG. Hoising-gear drive.

1459/Mas/95. YKK Corporation. Slider for slide fastener.

1460/Mas/95. F. HofmannLa Roche AG. Novel sulfonamides. (November 25, 1994; Switzerland).

1461/Mas/95. AMF Bowling Inc. Apparatus and method for selectively meering dressing onto a bowling lane surface.

1462/Mas/95. ETS International Inc. Improved acid gas emission control.

#### COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the Applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on Form-14 prescribed under the Patents Rules 1972 before the expiry of the said period of four months, give notice to the Controller of Patents at the appropriate office on the prescribed Form-14 of such opposition. The written statement of opposition should be filed alongwith the said notice or within one month of its date as prescribed in Rule-36 of the Patents Rules, 1972.

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#### स्थीकृत सम्पूर्ण विनिर्देश

इतवद्वारा यह सूचना दी जाती है कि सम्बद्ध आवेदनों में से किसी पर पेटेंट अनुदान के विरोध करने के इच्छुक कोई व्यक्ति, इसके निर्गम की तिथि से आर (4) महीने या अग्रम ऐसी अवधि जो उक्त 4 महीने की अवधि की समाप्ति के पूर्व पेटेंट नियम, 1972 के तहत विहित प्रपञ्च 14 पर आवेदित एक महीने की अवधि से अधिक न हो, के मीले कभी भी नियन्त्रक, एकत्र के उपयुक्त कार्यालय गंगे ऐसे विरोध की सूचना विहित प्रपञ्च 15 पर दे गकते हैं। विरोध सम्बन्धी लिखित वक्तव्य, उक्त सूचना के ताप अथवा पेटेंट नियम, 1972 के नियम 36 में दर्था विविध इसकी हितिके एक महीने के भीलर ही फाइल किए जाने चाहिए।

“प्रत्येक विनिर्देश के संबर्ध में नीचे दिए वर्गीकरण, भारतीय वर्गीकरण तथा अन्तर्राष्ट्रीय वर्गीकरण के अनुरूप है”।

स्पष्टकल (विवर आरेखों) की फोटो प्रतियां यदि कोई दो, तो नाम विवरणों की टकिल अथवा पोटो प्रतियों की आपूर्ति पेटेंट कार्यालय, कलाकारा अथवा उपयुक्त शास्त्र कार्यालय द्वारा विहित लिप्यान्तरण प्रभार जिसे उक्त कार्यालय से पत्र व्यवहार द्वारा गुनिश्चित करने के उपरान्त उसकी अदायगी पर की जा सकती है विनिर्देश की पृष्ठ संख्या के साथ प्रत्येक स्थीकृत विनिर्देश के सामने नीचे वर्णित चित्र आरेख कागजों को जोड़कर उसे 2 से गुणा करके, (कार्डिक प्रत्येक पृष्ठ का लिप्यान्तरण प्रभार 2/- रु. है) फोटो लिप्यान्तरण प्रभार का परिकलन किया जा सकता है।

Ind. Cl. : 144-A - XII (3)

176581

Int. Cl. : C 23 C, 18/00.

#### A COATING COMPOSITION FOR USE IN PREVENTING POLYMER SCALE FORMATION.

Applicant : SHIN-ETSU CHEMICAL, CO., LTD., A JAPANESE COMPANY, OF 6-1, OHTEMACHI 2-CHOME, CHIYODA-KU, TOKYO, JAPAN.

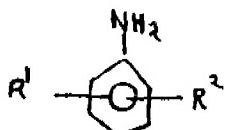
Inventors : TOSHIHIDE SHIMIZU, ICHIRO ANEKO, MIKIO WATANABE.

Application for Patent No. 736/Del/89 filed on 18-8-89.

Appropriate office for filing opposition proceedings (Rule 4, 1972) Patent Office Branch, Karol Bagh, New Delhi-110 005.

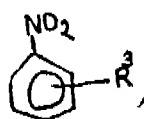
## 6 Claims

A coating composition for use in preventing polymer scale formation in polymerization of a monomer having an ethylenically unsaturated double bond comprising in a solvent such as herein described, (A) at least one member selected from the group consisting of anionic dyes such as hereinbefore described and alkali metal salts and ammonium salts of a sulfonated product being a sulfonated reaction product of an aromatic amine compound having the general formula (I) :



wherein  $R_1$  represents a hydrogen atom,  $-NH_2$ ,  $-N-N-C_6H_4-$ ,  $NH-C_6H_4-$  or  $-NH-C_6H_4-NH_2$ , and  $R^2$

represents a hydrogen atom or  $-NH_2$ , and an aromatic nitro compound having the general formula (II) :



wherein  $R^3$  represents a hydrogen atom or  $-NH_2$  and (B) at least one member selected from the group consisting of cationic dyes such as herein described.

the weight ratio of the component (A)/the component (B) ranging from 100/0, 1 to 100/1,000 and the total concentration of the components (A) and (B) being in the range of 0.01 to 5% by weight.

(Compl. specn. 14 pages)

Drg. 1 sheet)

Ind. Cl. : 70 B LVIII (5)

176582

Int. Cl. : G 01 N 27/30

#### A METHOD FOR MANUFACTURING A MEMBRANE COMPRISING GAS-PERMFABLE & ION-PERMEABLE REGIONS.

Applicant : HUGHES AIRCRAFT COMPANY, A COMPANY ORGANISED UNDER THE LAWS OF THE STATE OF DELAWARE, UNITED STATES OF AMERICA, OF 7200 HUGHES TERRACE, P. O. BOX 45066, LOS ANGELES, CALIFORNIA 900450066, UNITED STATES OF AMERICA.

Inventors : ANDREW KINDLER, LIN ROY HIGLEY.

Application for Patent No. 792/Del/89 filed on 6-9-89.

Appropriate office for filing opposition proceedings (Rule 4, 1972), Patent Office Branch, Karol Bagh, New Delhi-110 005.

## 9 Claims

A method for manufacturing a membrane comprising gas-permeable regions and ion-permeable regions, said method comprising the steps of :

impregnating in any known manner a substrate comprising a porous ion-impermeable polymer with polymeric ion-conducting material of the kind such as herein described to provide a composite of regions of said ion-conducting material throughout said substrate;

stretching said composite to produce pores in said substrate to provide for the passage of gas and to there-

by form said membrane comprising regions of said ion-conducting material juxtaposed to said gas-permeable regions formed by said pores in said substrate.

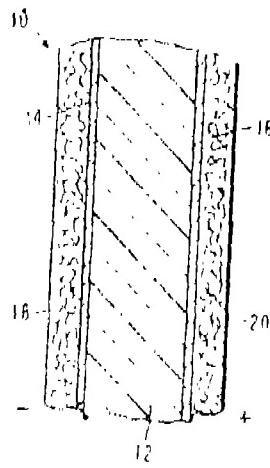


Fig. 1

(Compl. specn. 14 pages)

Drg. 1 sheet)

Ind. Cl. : 40 B

176583

Int. Cl. : B 01 J 23/02.

#### A PROCESS FOR MANUFACTURING FLUOROALKENES.

Applicant : SOLVAY & CIE., A BELGIAN COMPANY, 6133, RUE DU PRINCE ALBERT, B-1050 BRUSSELS, BELGIUM.

Inventors : LUC LEROT, JEAN-LOUIS COSTA, VINCENT WILMET, JOSEPH PIROTON.

Application for Patent No. 793/Del 89 filed on 6-9-89.

Appropriate office for filing opposition proceedings (Rule 4, 1972), Patent Office Branch, Karol Bagh, New Delhi-110 005.

## 10 Claims

A process of manufacturing fluoroalkenes, said process comprising subjecting chlorofluoroalkenes to hydrogenation in the presence of catalytic compositions, and catalytic composition consisting of a porous carrier such as herein described, a metal of group VIII of the Periodic Table of the elements and one or more compounds chosen from the salts of an alkali metal or alkaline earth metal, wherein said composition comprises 1 to 25% by weight of alkali metal or alkaline-earth metal and 0.05 to 10% by weight of metal of group VIII of the Periodic Table.

(Compl. specn. 16 pages)

Drg. Nil sheet)

Ind. Cl. : 74

176584

Int. Cl. : D 06 Q 1/04

#### KNITTED PRECIOUS METAL FABRIC AND ITS METHOD OF MANUFACTURE.

Applicant : JOHNSON MATTHEY PUBLIC LIMITED, COMPANY, OF 78 HATTON GARDEN, LONDON EC1N 8JP, ENGLAND.

Inventors : NORMAN REGINALD FATREY, ROBERT DAVID HATTON.

Application for Patent No. 912/Del/89 filed on 06-10-89.

Convention Date : 8823956.1, 12.10.88/GB. & 8900087.1/04 01.89/GB.

Appropriate office for filing opposition proceedings (Rule 4, 1972), Patent Office Branch, Karol Bagh, New Delhi-110 005.

## 8 Claims

A knitted precious metal fabric for use as catalyst, gauzes anti corrosion, electrodes, electrodes matter or conductor material, said fabric consisting of fibres of precious metal and in which the precious metal is selected from the platinum group metals, gold and silver, and alloys thereof, characterised by said fabric being a knitted fabric, and the fibres of precious metal being in the form of interlocking loops.

A method for the production of a knitted precious metal fabric comprising lubricating the precious metal fibre a supplementary fibre to permit knitting, and knitting the precious metal fibre and the supplementary fibre to form interlocking loops.

(Compl. specn. 20 pages)

Drg. 2 sheets)

Ind. Cl. : 99 B, H XL (4).

176585

Int. Cl.<sup>4</sup> : B 65 D 39/00.

## A DISPENSOR FOR USE WITH A BOX AND BAG PACKAGING SYSTEM.

Applicant : STANDIPACK PRIVATE LIMITED, 25, COMMUNITY CENTRE, EAST OF KAILASH, NEW DELHI-110065.

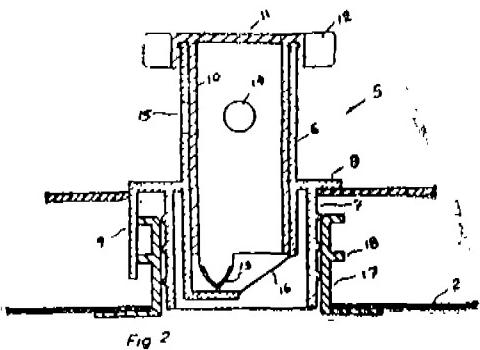
Inventor : KAMAL MEAULE.

Application for Patent No 936/Del/89 filed on 18-10-89.

Appropriate office for filing opposition proceedings (Rule 4, 1972), Patent Office Branch, Karol Bagh, New Delhi-110 005.

## 7 Claims

A dispensor (5) for use with a bag (2) and box (1) packaging means comprising a socket (17) to be secured with said bag, (2) a valve member adapted to be press fitted with said socket, (17) said valve member has a valve housing (6) with a first opening (15) provided therein, a sleeve (10) having a severance means (13) provided therewith rotatably disposed within said valve housing, (6) for causing severance of the tear seal diaphragm (16) being provided at the lower end of said valve housing, (6) a second opening (14) provided in said rotatable sleeve (10) such that to facilitate the discharge of the fluid when said opening (15 & 14) being in flow communication with each other.



(Compl. specn. 8 pages)

Drg. 2 sheets)

Ind. Cl. : 119 B  
Int. Cl.<sup>4</sup> : D 03 C 9/00.

176586

## HEALD CONTROL DEVICE FOR WEAVING MACHINES.

Applicant : BONAS MACHINE COMPANY LIMITED, OF DUKESWAY, TEAM VALLEY TRADING ESTATE, GATESHEAD NE11 OLF, ENGLAND.

Inventor : JOHN DALTON GRIFFITH.

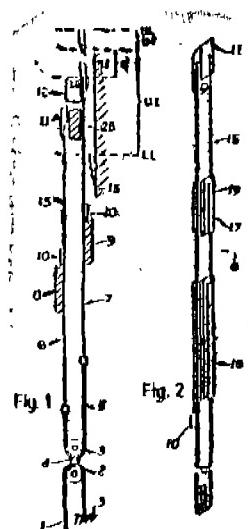
Application for Patent No. 961/Del/89 filed on 19-10-89.

Convention date : 8827141.6/21.11.88/GB.

Appropriate office for filing opposition proceedings (Rule 4, 1972), Patent Office Branch, Karol Bagh, New Delhi-110 005.

## 13 Claims

A heald control device for weaving machine comprising a heald rod (6) reciprocable along its longitudinal axis, the heald rod (6) comprising a resiliently deflectable body portion (15) of a magnetically attractive material, a retention latch formation (11) mounted on the body portion (15), the retention latch formation (15) on reciprocation of the heald rod (6) movable along a path of travel (LL to 4L) extending between first and second (LL, 4T, DT, 4L) limits of reciprocal movement, fixed latch means (12) located one side of the path of travel and an electromagnet (25) operable on the deflected body portion (15) to cause engagement between said retention latch formation (11) and said fixed latch means (12), said path of travel (LL-4L) comprising a first zone (LL-4T) of movement wherein the body portion (15) travels in an undeflected position and a second zone (DT-4L) of movement wherein the body portion (15) travels in a deflected position, fixed cam means (30) located on the opposite side and engageable with further cam means (31) on said body portion (15) of the heald rod (6) during reciprocal movement of the heald rod (6) to cause the body portion (15) to move from the non-deflected to the deflected position, the fixed latch means (12) being located in the first zone (4T-LL) of the path of travel and positioned to engage the latch formation (11) on said body portion (15) only when the body portion (15) is in said deflected position, said electromagnet (25) being located adjacent said path of travel so that the body portion (15) is located in the vicinity of the electromagnet (25) when it is in its deflected position, the electromagnet (25) when energised being capable of holding the body portion (15) in the deflected position as the latch formation (11) moves from the second zone (DT-4L) and into the first zone (LL-4T) of travel and thereby cause latch formation (11) to engage said fixed latch means (12).



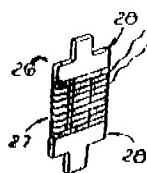
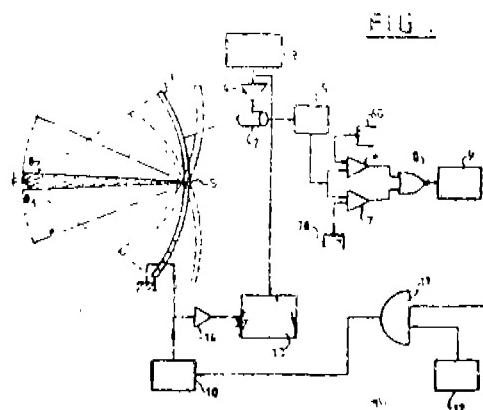


Fig. 4

(Compl. specn. 16 pages)

(Drg. 3 sheets).



Ind. Cl. : 128E XIX (2)

176587

(Compl. specn. 9 pages)

Drg. 2 sheets)

Int. Cl. : A 61 N 5/00.

**AN ULTRASONIC DEVICE FOR THE TREATMENT OF ANATOMICAL ANOMALIES.**

Applicant : EDAP INTERNATIONAL, OF Z. I. LE PARC AUX VIGNES, RUE DES VIEILLES VIGNES, 77200 CROISSY-BEAUBOURG MARNE LA VALLEE, FRANCE.

Inventor : DORY JACQUES.

Application for Patent No. 984/Del/89 filed on 25-10-89.

Appropriate office for filing opposition proceedings (Rule 4, 1972), Patent Office Branch, Karol Bagh, New Delhi-110 005.

3 Claims

An ultrasonic device for the treatment of anatomical anomalies comprising :

a power transducer (1) in the form of self-focussing cup;

a power excitation (1, 2) generator coupled to said transducer (1);

an echographic (13) device, including echo receiver means coupled to said transducer (1), motor (2) means, coupled to said transducer (1) for causing said transducer (1) to oscillate during treatment at an oscillating speed and amplitude adapted for real-time echographic scanning, and a scanning generator (3) coupled to said motor (2) means for controlling said oscillation speed and amplitude;

sensor (5) means coupled to said motor (2) means for producing output signals at moments when the echographic scanning beam is within a predetermined region of the treatment space;

a logic circuit (6 to 14) coupled to said sensor (5) means for deriving further signals which are coupled to said power excitation (12) generator for exciting said transducer to produce a sequence of treatment waves at said moments and to generate echographic waves during the intervals between said moments.

Ind. Cl. : 40 B &amp; 201 C.

176588

Int. Cl. : C 01 B 25/36.

**A PROCESS FOR THE PREPARATION OF METAL SILICOALUMINOPHOSPHATE.**

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAHI MARG, NEW DELHI-110 001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventors : ANJANA BHATTACHARYA, JAGANNATH DAS, SWAPAN MITRA, SISIR KUMAR ROY.

Application for Patent No. 1051/Del/89 filed on 10-11-89.

Complete Specn. left after Pron. on 4-2-91.

Appropriate office for filing opposition proceedings (Rule 4, 1972), Patent Office Branch, Karol Bagh, New Delhi-110 005.

6 Claims

A process for the preparation of Metallo silico alumino-phosphate which comprises :

- preparing reactive alumina by conventional methods, which pseudobezchmite having moisture content 24 to 32 wt %;
- preparing reactive silica from paddy husk ash by conventional methods;
- preparing an aqueous solution of the metal salt such as CO, Zn, Mg;
- mixing thoroughly the reactive alumina, reactive silica an aqueous solution metal salt obtained in steps (a, b, c) with phosphoric acid & an organic templating agent such as herein described under stirring at a pH in the range of 1 to 7, wherein the mole ratio of alumina, phosphorous pentoxide (calculated from phosphoric acid as phosphorous pentoxide), silica metal oxide (calculated from metal salt) templating agent and water is 0.1-1 : 0.7-1:0.1-0.5, 0.01-0.2:1.5:40.
- hydrothermally heating the said mixture at a temperature in the range of 160 to 225°C, for a period of 18—50 hrs under autogeneous pressure,
- washing the resultant product with water and then with an alcohol, followed by drying,
- calcining the said dried product at a temperature in the range of 480 to 525°C.

(Compl. specn. 15 pages)

Dig. Nil sheet)

Ind. Cl. : 206 E

176589

Ind. Cl. : 187 C

176590

Int. Cl. : G 06 F 7.00, 15/00.

DATA DEMODULATION DEVICE FOR THE DEMODULATION OF DIGITAL DATA TRANSMITTED BY FREQUENCY HOPPING ON A IONOSPHERIC TRANSMISSION CHANNEL.

Applicant : THOMSON-CSF OF 51, ESPLANADE DU GENERAL DE GAULLE, 92800, PUTEAUX, FRANCE.

Inventors : JOEL THIBAULT, PETER MONSEN.

Application for Patent No. 1067 Del/89 filed on 17-11-89.

Appropriate office for filing opposition proceedings (Rule 4, 1972), Patent Office Branch, Karol Bagh, New Delhi-110 005.

#### 8 Claims

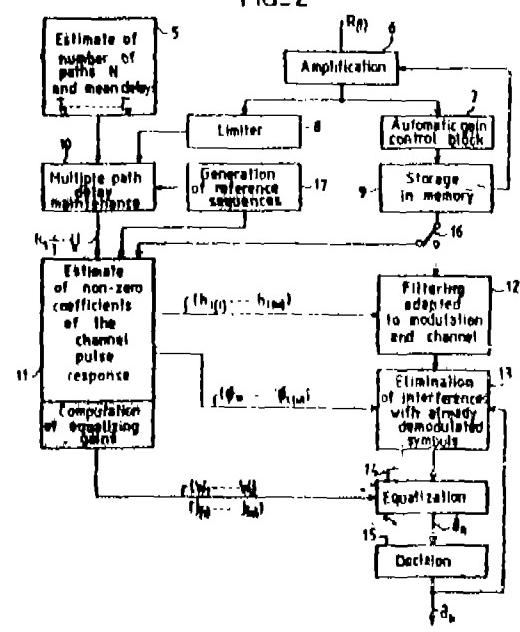
A data demodulation device for the demodulation of digital data transmitted by frequency hopping on a ionospheric transmission channel comprising a PSK signal demodulator coupled to a processing unit which comprises :

estimating means for estimating the number of paths on the ionospheric transmission channel by their mean delays in the spread band of the frequency hopping signals;

filtering means coupled to said estimating means for filtering, by a first filtering operation, the samples of the received data transmission block adapted to the modulation and to the transmission channel and by a second filtering operation the result obtained from the first filtering operation for eliminating interferences due to the already demodulated symbols as well as for eliminating interference due to symbols that have not yet been demodulated, and

determining means coupled to said filtering means for determining from the results of the second filtering, the most probable symbol which has been emitted.

FIG. 2



DEVICE FOR THE SETTING UP AND ROUTING OF TELEPHONE CALLS BETWEEN SUBSCRIBERS OF A RADIO NETWORK AND/OR OF A WIRED TELEPHONE NETWORK.

Applicant : THOMSON CSF OF 51, ESPLANADE DU GENERAL DE GAULLE, 92800, PUTEAUX, FRANCE.

Inventors : JEAN-PIERRE SOURY, PIERRE BOVIS, DANIEL COUTHOUIS, PIERRE ROBERT.

Application for patent No. 1068/Del/39 filed on 17-11-89.

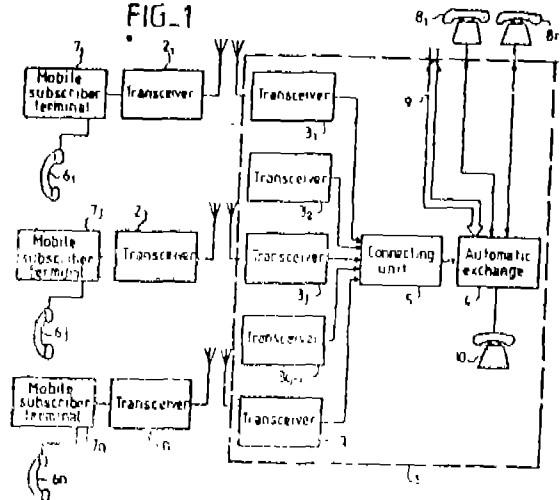
Appropriate office for filing opposition proceedings (Rule 4, 1972) Patent Office Branch, Karol Bagh, New Delhi-110 005.

#### 4 Claims

Device for the setting up and routing of telephone calls between subscribers of a radio network and/or of a wired telephone network (8<sub>1</sub>, ..., 8<sub>n</sub>), the subscribers of the radio network having radio transceiver sets (2<sub>1</sub>, ..., 2<sub>n</sub>) operating in alternating mode and the subscribers of the two networks have dialling means (8<sub>1</sub>, ..., 8<sub>n</sub>; 3<sub>1</sub>, ..., 3<sub>n</sub>) in order to call their correspondents, said device comprising an automatic telephone exchange (4) coupled with said wired telephone network (8<sub>1</sub>, ..., 8<sub>n</sub>; 3<sub>1</sub>, ..., 3<sub>n</sub>) by wired telephone lines, (9), said automatic exchange (4) being coupled to said radio telephone network by a radio connecting unit (5) connected to a plurality of radio transceivers, 3<sub>1</sub>, ..., 3<sub>n</sub> said radio connecting unit (5) comprising means of detection of voice activity (21, 22) to enable the transmission of calls in an alternating mode between the subscribers of the radio telephone network on the one hand and between the subscribers of both networks on the other hand and means of selection (12, 13, 14) sensitive to the dialling means (8<sub>1</sub>, ..., 8<sub>n</sub>; 3<sub>1</sub>, ..., 3<sub>n</sub>) of the subscribers of both networks in order to automatically set up telephone calls between all of the subscribers,

characterised in that said means of selection (12, 13, 14) comprise a plurality of programmed processing units (12) each connected to a said transceiver (2<sub>1</sub>, ..., 2<sub>n</sub>) coupling the automatic exchange (4) to the radio network and in that each said processing unit (12) has means (15, 16, 17, 18, 19) enabling an organisation of the radio subscriber network into groups of radio subscribers communicating on a same frequency and/or on a same transmission channel, the calls being able to take place between subscribers (8<sub>1</sub>, ..., 8<sub>n</sub>) in a same group or between subscribers (3<sub>1</sub>, ..., 3<sub>n</sub>) belonging to different groups.

FIG. 1



Ind. Cl. : 206 D

176591

Int. Cl. : H03B 19/00.

AN APPARATUS FOR CONVERTING AN ELECTRICAL SIGNAL INTO A PROPORTIONAL FREQUENCY AND AN ELECTRICITY METER COMPRISING IN SAME".

Applicant : LGZ LANDIS & GYR ZUG AG, A SWISS COMPANY OF CH-6301 ZUG, SWITZERLAND.

Inventor(s) : JAN PETRA.

Application for Patent No. 942/Del/86 Filed on 23rd October, 1986.

Complete specification left on 14th August, 1987.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972), Patent Office Branch, Karol Bagh, New Delhi-110 005.

## Claims 15

Apparatus for converting an electrical signal into a proportional frequency, the apparatus comprising :

a first polarity reversing switch(1) for receiving the electrical signal and for periodically switching the polarity of the electrical signal;

adding means connected to the first polarity reversing switch for adding a first reference signal to a signal proportional to the periodically switched electrical signal to form an addition signal;

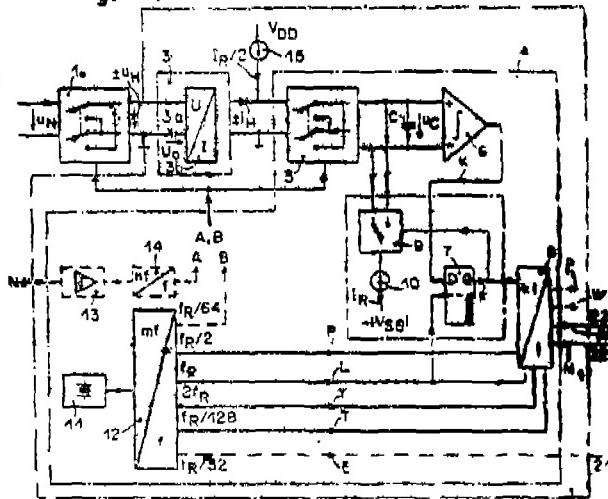
a second polarity reversing switch connected to the adding means and being switchable synchronously with the first polarity reversing switch for periodically switching the polarity of the addition signal;

an integrating capacitor (c) connected to the second polarity reversing means and which is successively chargeable and dischargeable by means of a current component proportional to the periodically switched addition signal and a selectively switched reference current, the reference current being a second reference signal whose magnitude corresponds to twice the signal value of the first reference signal;

comparator means (e) connected to the integrating capacitor for comparing the capacitor voltage with a reference voltage selectively to switch the reference current, thereby enabling production of a compared signal whose average frequency is proportional to the sum of the electrical signal and the first reference signal; and

subtracting means connected to the comparator means for subtracting a frequency proportional to the first reference signal from the compared signal to produce a signal whose frequency is proportional to the electrical signal.

Fig. 1



(Complete Specification 26 pages)

Drawing Sheets :5

Ind. Cl. : 141 E.

176592

Int. Cl. : C22B 1/16.

AN IMPROVED METHOD OF SINTERING OF IRON-ORE FINES INCLUDING SUPERFINES AND A PLANT FOR IMPLEMENTING THE SAME.

Applicant : STEEL AUTHORITY OF INDIA LTD., RESEARCH & DEVELOPMENT CENTRE FOR IRON & STEEL, AT ISPAT BHAWAN, LODHI ROAD, NEW DELHI-110003, A GOVT. OF INDIA UNDERTAKING.

Inventor : NIRMAN KUMAR KAKKAR, ALAKH KUMAR SATSANGI, KIRTI PRASAD VERMA, PRADIP KUMAR CHAUDHURI, SAMIR KUMAR ROY, SUBHASIS CHANDHURI, NALIN RANJAN, SAMIR KUMAR GHOSH.

Application No. Patent No. 319/Del/89 filed on 10-04-89.

Appropriate office for filing opposition proceedings (Rule 4, Patent Rules, 1972), Patent Office Branch, Karol Bagh, New Delhi-110 005.

## Claims 11

An improved method of sintering iron-ore fines including superfines for increased productivity and utilisation of superfines like blue dust in the sinter mix characterised in that compressed air at a pressure upto 1.5 kg/cm<sup>2</sup> is supplied at the top of the pot containing the sinter mix of the kind as herein described during the sintering process.

The equipment as claimed, wherein the member of pneumatic cylinders used for operating the pressure hood is six and that used for operating the vacuum chamber is four.

(Complete Specification 14 Pages)

Drawing Sheets 6).

Ind. Cl. : 108A & 108C<sub>3</sub>

176593

Int. Cl. : C21C, 5/30.

A ROTARY DEVICE FOR PURGING INERT GASES INTO L. D. CONVERTERS.

Applicant : STEEL AUTHORITY OF INDIA LTD., RESEARCH & DEVELOPMENT CENTRE FOR IRON & STEEL, P. O. HINOO, DARANDA, RANCHI-834 002 HAVING ITS REGISTERED OFFICE AT ISPAT BHAWAN, LODHI ROAD, NEW DELHI-110 003, A GOVT. OF INDIA UNDERTAKING.

Inventors : KIRTI PRASAD VERMA, KRISHNA-SWAMY PARTHASATHI, JAGANNATHAN, SARESH-WAR PRASAD, KEDAR NATH PANDEY & ARUN KUMAR PRASAD SINGH.

Application for Patent No. : 370/Del/89 Filed on 26th April 1989.

Complete left after Provisional Specification on 21-05-90.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972), Patent Office Branch, Karol Bagh, New Delhi-110 005.

## Claims 16

A rotary device for purging inert gas into L.D converters comprising (i) a stationary outer tube, which may be in a single section or in two separate sections, having a number of inlet holes distributed over its surface at equal spacing, of the kind as herein described, for injecting inert gases there-through supplied from the stationary inert gas supply lines, connected on each to said inlet holes; and (ii) a rotatable shaft of cylindrical cross section, mounted on two ball bearings at both ends of said shaft inside the stationary outer tube, for maintaining uniform angular gap between inner surface of stationary tube and outer surface of the rotatable shaft which has a number of radial holes equal to number of inlet holes at the same spacing as that on the said outer tube, the arrangement of said radial holes in the shaft and said inlet holes on the outer tube being such that

each said inlet hole remains connected to the annular clearance between the outer tube and shaft, as bounded by at least one annular seal provided on either side of each said inlet hole and radial hole on the rotatable shaft for avoiding intermixing of pressurised gases from one line to another and said radial holes being connected to the respective equal number of holes axially provided in the said rotatable shaft, the threaded portion at the end of said axial holes in the shaft acting as outlet ports of the rotary device, being adapted to be connected to the respective inlet ends of a number of flexible hoses/rigid pipes, varying from one to ten depending on the requirement, and arranged on a "fixed circle", preferably at equal and radial distances, selected for routing said flexible hoses/rigid pipes, based on the available hole in the non-driven trunnion of LD converter, on to the outer surface of LD converter as per its contour and finally to the respective injection points located at the bottom of LD converter where the outlet ends of the flexible hoses/rigid pipes are adapted to be connected.

(Provisional Specification 11 Pages, Drawing Sheet Nil)  
(Complete Specification 17 Pages, Drawing Sheets Four)

Ind. Cl. : 108C<sub>9</sub> & 128J 176594  
Int. Cl. 4 : C21C 7/072

#### AN IMPROVED PROCESS OF MANUFACTURING SHEET STEEL FOR FORMING LPG CYLINDERS.

Applicant : STEEL AUTHORITY OF INDIA LTD. OFFICE AT ISPAT BHAWAN, LODHI ROAD, NEW DELHI-110003, A GOVT. OF INDIA ENTERPRISE.

Inventors : S. K. PAUL, SANAK MISHRA, A.K. DE.

Application or Patent No. 970/Del/89 filed on 23-10-89.

Appropriate office for filing opposition proceedings (Rule 4, Patent Rules, 1972), Patent Office Branch, Karol Bagh, New Delhi-110 005.

#### (Claims 2)

An improved process of manufacturing sheet steel for forming LPG cylinders comprising the steps of (1) making the heat in a LD converter by blowing oxygen of minimum purity 92.2% into the converter; (2) (ii) adding Si-Mn, coke, Fe-Si, lime and aluminium in predetermined quantities in the ladle during tapping; (iii) stirring the heat in the ladle by argon with addition of more aluminium or through deoxidation of steel; (iv) covering the heat with vermiculite powder; (v) producing concast slabs of predetermined dimensions from the heat; (vi) cooling and inspecting the slabs for the presence of defects in them; (vii) soaking the defect-free slabs at a predetermined temperature in a reheating furnace; (viii) controlled hot-rolling of the slabs into coils of predetermined thickness; (ix) cooling the coils to ambient temperature by natural air cooling; (x) trimming the edges at the two longitudinal sides of the coils; and (xi) shearing the trimmed coils into sheets of required lengths, characterised in that (a) the composition of the steel is as herein described, (b) the sheet in the ladle is stirred by argon for 5-7 minutes for improving the cleanliness of steel, (c) cold concast slabs are used as input to reheating furnace for soaking at a temperature of 1300-1320°C and hot-rolling into coils of thicknesses of 3.0-3.15 mm in hot strip mills and (d) the finishing and coiling temperatures during hot-rolling of the slabs into coils are controlled at 880-920°C and 670-700°C respectively for obtaining self-normalized micro-structure in the sheet steel produced so as to eliminate the need for normalising or annealing of the hot-rolled strip and attain non-ageing properties of said steel.

(Complete Specification 16 Pages, Drawing Sheets nil)

Ind. Cl. : 40B

176595

Int. Cl. : B01J 21/06, C07F 7/28

#### A PROCESS FOR THE PREPARATION OF TETRA-2-ETHYL HEXYL TITANATE.

Applicant : SHIRIRAM INSTITUTE FOR INDUSTRIAL RESEARCH OF 19, UNIVERSITY ROAD, DELHI-110007.

Inventors : MOHAMMAD QAMAR PARWEZ, DAYA SHANKAR WADHWA, RAKESH KUMAR SINGH, KRISHNA KUMAR JAIN.

Application for Patent No. 0098/Del/90 filed on 5-2-90.

Appropriate office for filing opposition proceedings (Rule 4, Patent Rules, 1972), Patent Office Branch, Karol Bagh, New Delhi-110 005.

#### (Claims 4)

A process for the preparation of tetra-2-tetra ethyl hexyl titanate which comprises in preparing a reaction solution of purified 2-ethyl hexyl alcohol in dry benzene and tri-chloroethylene adding 1 to 2 moles of titanium tetrachloride to the reaction solution for 1 to 3 hours under constant stirring at a temperature of 0 to 10°C under an inert atmosphere so as to obtain a reaction mixture having an acidic pH, subjecting said reaction mixture to the step of vacuum distillation for removing hydrochloric acid gas and to obtain tetra-2-ethyl hexyl titanate.

(Complete Specification 8 Pages Drawing Sheets nil)

Ind. Cl. : 210 C, D.

176596

Int. Cl. 4 : C02F 1/16.

#### AN IMPROVED PROCESS OF PRODUCING WATER FOR RECYCLING IN A SCRUBBER HAVING REDUCED ALKALINITY AND SUSPENDED SOLID PARTICLES FROM INDUSTRIAL ALKALINE WASTE WATER BY UTILIZING WASTE FLUE GASES FROM BLAST FURNACES.

Applicant : STEEL AUTHORITY OF INDIA LTD. AT ISPAT BHAWAN, LODHI ROAD NEW DELHI-110003.

Inventor : CHANDRA DEEP MISHRA, SASIVEHALLI MALLAPPA RENUKA PRASAD, BALDEO PRASAD, RAM MEDIRATTA.

Application for Patent No. 118/Del/90 filed on 12-02-90.

Complete Specification left after Provision Specification filed on 5-2-91.

Appropriate office for filing opposition proceedings (Rule 4, Patent Rules, 1972), Patent Office Branch, Karol Bagh, New Delhi-110 005.

#### (Claims 2)

An improved process of producing water for recycling in a scrubber, having reduced alkalinity and suspended solid particles, from industrial alkaline waste water by utilizing waste flue gases from blast furnaces which process comprises the steps (a) dedusting and cooling of the waste flue gases at a temperature of 200-400°C from blast furnaces in a wet scrubber in which water at ambient temperature is spread into the stream of said gases to lower the temperature of the scrubbed gases to 40-45°C the loss of water due to evaporation from the scrubber being replenished by fresh addition and the said gases being sucked through the scrubber from the combustion sources by means of exchangers placed on the gas discharge outlet of the scrubber and (b) treating the waste scrubbing water having increased alkalinity and suspended solid particles in a treatment tank by first mixing the waste scrubbing water with the dedusted and cooled waste flue gases produced in step (a) a flow rate of 1.0 m<sup>3</sup> per cubic metre of the waste scrubbing water and minimum retention time in said water of 30 minutes, the said tank mixing being done by dispersing the said gases through grids fitted with nozzles having holes of diameter not exceeding 6mm allowing a gas flow rate of 0.5m per hour per hole and separation between the adjacent holes of 300 mm.

(Provisional Specification 9 Pages Drawing Sheets 1).  
(Complete Specification 14 Pages Drawing Sheets Nil)

Ind. Cl. : 35E

176597

Int. Cl. : C04B 18/16.

A PROCESS OF PREPARING A CUNNING MASS FOR REPAIRING WORN OUT SECTIONS OF AN OPEN HEARTH FURNACE PROOF AND A GUNNING MASS PREPARED IN THE PROCESS.

Applicant : STEEL AUTHORITY OF INDIA LTD. OF ISPAT BHAWAN, LODHI ROAD, NEW DELHI-110003.

Inventors : SWAPAN KUMAR GARAI, SUBRATA BARUA, PRASANTA NANDY, ANUP KUMAR BHATTACHARYA, SWAPAN ROY CHOWDHURY, SACHI DULAL MAZUMDAR, NIRMAL KANTI GHOSH, AJOY KUMAR DASGUPTA.

Application for Patent No. 0166/Del/90 filed on 26-2-90.

Appropriate office for filing opposition proceedings (Rule 4, Patent Rules, 1972), Patent Office Branch, Karol Bagh, New Delhi-110 005.

(Claims 4)

A process of preparing a gunning mass or repairing worn out sections of an open hearth furnace, roof, having the following physico-chemical composition :—

Chemical composition (%wt) :—

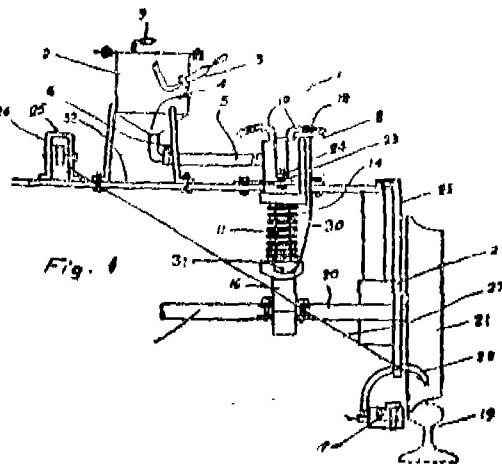
$\text{Cr}_2\text{O}_3 \dots 33-37$ ,  $\text{Fe}_2\text{O}_3 \dots 17-21$ ,  $\text{MgO} \dots 29-33$ ,

$\text{SiO}_2 \dots 5-7$ ,  $\text{Al}_2\text{O}_3 \dots 6-10$ ,  $\text{CaO} \dots 1.5-25$ ;

physical characteristics . Loose bulk density (Gm./CC).... 2.25-2.30, sintering temperature—100°C and above solid : water ratio.... 70/75 : 25/30, specific gravity.... 2.08-2-10; grain size distribution (%wt) : above 1 mm...nil, below 1.0 mm and above 0.5 mm....2-3, below 0.5 mm and above 0.25 mm....4-6, below 0.25 mm and above 0.1 mm ....7-10, below 0.1 mm....82-86; which process comprises mixing chromite fines, chrome-Mag powder and magnesite fines of respective physico-chemical compositions such as herein described in the proportion of 60, 35 and 5% respectively by weight of the mix thus formed and adding binders and additives of composition such as herein described in the proportion of 12.5% by weight of the said mix said mixing being done homogeneously over floor, preferably in a pan mixer when the quantity of the mix is relatively large, in a sequence and method, such as herein described, under the atmospheric pressure and ambient temperature.

(Complete Specification 18 Pages Drawing Sheets nil)

being provided on the floor of a trolley for moving said roller assembly away or near the rails.



(Complete Specification 8 Pages

Drawing Sheets 1).

176599

Ind. Cl. 9 D

Int. Cl. : C22C 38/12.

"A PROCESS OF MAKING MICROALLOYED WEAR RESISTANT HIGH STRENGTH STEEL RAILS."

Applicant : STEEL AUTHORITY OF INDIA LTD., AT ISPAT BHAVAN, LODHI ROAD, NEW DELHI-110 003.

Inventor : DAMODAR RAI, UMESH PRASAD SINGH, RAMAKANT SINGH, SURENDRA KUMAR SINHA.

Application for Patent No. 720/Del/90 filed on 16-7-90  
Complete left after Provisional Specification on 11-7-91.

Appropriate office for filing opposition proceedings (Rule 4, Patent Rules, 1972), Patent Office Branch, Karol Bagh, New Delhi-110 005.

(Claims 3)

A process of making microalloyed wear resistant high strength steel rail containing C-0.40/0.70%, Min-0.70/1.60%, Nb and V-0.01 to 0.20% or one of N band V-0.01 to (0.20% and Si-0.08% max. in basic open hearth furnace (250-500 tonne) comprising charging into the furnace 25% of scrap and 75% of basic grade hot metal in the sequence of iron-ore, limestone, scrap and then hot metal at 1280°C. 1300°C; mixing and heating the charge to a final tapping temperature of 1650-1680°C; removing the slag containing phosphorus and other metalloids; blocking the bath by adding ferro-manganese and tapping the molten metal into a ladle (2.50 tonne); deoxidizing the hot metal by adding ferro-silicon in the ladle; adding ferro-niobium and ferro-vanadium in sequence after optimising the recovery of Nb and V; teeming steel through slide gate nozzle into ingot mould to get ingot (8.33 tonne); charging said ingot into top-fired soaking pits and rolling the ingots into sections (300×325 MM); cold scarfing and heating blooms in reheating furnaces of rail and structural mill; rolling rails thus obtained through a roughing stand (950 mm), two 3-high intermediate stands (800 mm) and a 2-high finishing stand (850); allowing the rolled rails to pass through cooling beds and then charging into insulated cooling pits at temperature of 500-550°C by magnetic cranes; subsequently slow-cooling the rails followed by straightening and processing in finishing groups.

(Provisional Specification 8 pages

Drawing Sheet 1)

(Complete Specification 10 pages

Drawing Sheet Nil)

Ind. Cl. : 157 B<sub>3</sub>, 4

176598

Int. Cl. : B61K 3/00.

A GREASE LUBRICATOR.

Applicant : CHANDAR MOHAN DUTTA, OF 80/66B, MALVIYA NAGAR, NEW DELHI-110 017.

Inventor : CHANDAR MOHAN DUTTA.

Application for Patent No. 397/Del/90 filed on 24-04-90.

Appropriate office for filing opposition proceedings (Rule 4, Patent Rules, 1972), Patent Office Branch, Karol Bagh, New Delhi-110 005.

(Claims 5)

A grease lubricator comprising a grease container having an outlet at the bottom being provided for storage of grease, said outlet of said grease chamber being connected to a cylinder, a pump connected to said grease chamber for providing pressure within said chamber, a spring leaded piston provided within said cylinder for allowing a discharge of grease to a roller assembly being provided to apply grease over the rails, actuating means being provided for actuating said piston within said cylinder, means

Ind. Cl. : 129 J.  
Int. Cl. : B21B 3/02.

AN IMPROVED PROCESS FOR THE PRODUCTION OF ACICULAR FERRITE HSLA STEELS CONTAINING Ti MICRO-ALLOYS USING AN ELECTRIC ARC FURNACE.

Applicant : STEEL AUTHORITY OF INDIA LTD., AT ISPAT BHAVAN, LODI ROAD, NEW DELHI-110-003.

Inventor : RAMEN DATTA, BIMAL KUMAR PANIGRAHI, SANAK MISHRA.

Application for Patent No. 1224/Del/90 filed on 04-12-90  
Complete left after Provisional Specification on 13-05-91.

Appropriate office for filing opposition proceedings (Rule 4, Patent Rules, 1972), Patent Office Branch, Karol Bagh, New Delhi-110 005.

(Claims 3)

An improved process for the production of acicular ferrite HSLA steel plates containing Ti micro-alloys using an electric arc furnace comprising the steps of —

- (a) charging low-carbon mild steel scrap in the furnaces;
- (b) blowing oxygen for 5-7 minutes to bring down the carbon level of the mass to about 0.08%;
- (c) adding predetermined required quantity of limestone before heating the mass till carbon level reduces to 0.04 to 0.05%;
- (d) deslogging the molten mass completely followed by addition of Fe-Si and limestone;
- (e) adding al-bais to te molten mass to deoxidize so that Al-content in the final steel varies between 0.03 and 0.06%;
- (f) stabilizing the bath at 0.4% Mn;
- (g) adding ferro-alloys such as Fe-Si, Fe-Mn, Fe-Ti to the required extent;
- (h) tapping the molten metal containing 0.02% S and 60 ppm N at 1625°C ± 10°C; and cooling;
- (i) teeming the molten metal at 1600°C ± 10°C and cooling;

wherein the improvement comprises :—

- (i) making the composition of one type of steel namely, Ti type produced, prior to tapping, to be (by weight %) : C-0.06, Mn - 1.2, S-0.02 max., P-0.02 max., Si - 2.02, Al - 0.03, Ti - 0.08 and Fe-balance;
- (ii) homogenising the ingots (100mm x 100mm cross-section) by heating at 1200°C for 1 hour and rolling the same in a hot rolling mill into slabs of 45mm thickness;
- (iii) reheating the slabs (45mm×100mm cross-section) at 1200°C for 1 hour and subjecting the slabs to five-pass rolling to a final thickness of 6mm a thermo-mechanical schedule, as herein described;
- (iv) finish-rolling the slabs into 6mm thick plates at 750°C;
- (v) quenching the finished rolled plates in water at a rate of 25°C—30°/Sec.

(Provisional Specification 10 Pages      Drawing Sheets 1)  
(Complete Specification 20 Pages      Drawing Sheets Nil).

Ind. Cl. : 32E      176601  
Int. Cl. : B 01 D, 13/04, C08 J, 5/12.

A COMPOSITE MEMBRANE FOR USE IN SEPARATING AND RECOVERING A PRODUCT GAS FROM A GASEOUS MIXTURE.

Applicant : UNION CARBIDE CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF NEW YORK, U.S.A., OFFICE AT 39 OLD RIDGEBOURY ROAD, DANBURY, STATE OF CONNECTICUT, 06817, U.S.A.

Inventor : JOYCE KATZ NELSON.

Application for Patent No. 947/DEL/88 filed on 02/11/88.

Appropriate office for filing opposition proceedings (Rule 4, 1972) Patent Office Branch, Karol Bagh, New Delhi-110 005.

(Claims 9)

A composite membrane for use in separating and recovering a product gas such as herein described from a gaseous mixture such as herein described which comprises a porous support layer such as herein described with pores of average cross sectional diameter in the range of 20 to 20,000 angstroms and having no separation characteristics with respect to said gaseous mixture and a separation layer superimposed on said support layer, said separation layer being of the thickness of less than 0.4 microns and consisting of at least one or more poly (tetramethyl) bisphenol A phthalates selected from the group consisting of poly (tetramethyl) bisphenol A isophthalate, poly (tetramethyl) bisphenol A terephthalate, poly (tetramethyl) bisphenol A iso/terephthalate, and mixtures thereof.

(Complete Specn. 35 pages

Drawing Sheet nil)

Ind. Cl. : 85 R.  
Int. Cl. : F 27, B, 1/00.

176602.

DEVICE FOR INJECTING PREHEATED AIR INTO SHAFT FURNACE.

Applicant : PAUL WURTH S.A. A CORPORATION ORGANISED UNDER THE LAWS OF LUXEMBOURG, OF 32 RUE D'ALSACE L-1122 LUXEMBOURG, GRAND-DUCHY OF LUXEMBOURG, LUXEMBOURG.

Inventors : PIERRE MAILLIET, EMILE LONARDI, GEORGES WAHL, GUSTAVE HOELPES.

Applicant for Patent No. 532/DEL/89 filed on 21-6-89.

Appropriate office for filing opposition proceedings (Rule 4, Patent Rules 1972) Patent Office Branch New Delhi-110 005.

(Claims 7)

Device for injecting preheated air into a shaft furnace, composed of several separate elements consisting of an outer casing and an inner refractory lining and having at least one central element (126) connected on one side, by means of a first ball-and-socket joint (138) and a first compensator (144) to a first connector (128) fixed to a circular pipeline (122) supplying preheated air surrounding the furnace and on the opposite side by means of a second ball-and-socket joint (140) and a second compensator (146) to a second connector (130) which is extended by an elbow (132) and a tuyere (134) said tuyere (134) being articulated relative to the wall (124) of the furnace by means of a third ball-and-socket joint (142) said first connector (128) being articulatedly connected to said second connector (130) by at least one pair of ties (152, 154) said first joint (138) being constituted by a convex surface located on said first connector (128) and by a concave surface located on said second connector (130) the centre of curvature (X) of said first joint (138) being located on the axis of said first connector (128) on the inside of the latter characterized in that said second joint (140) is constituted by a concave

surface on said central element (126) and by a convex surface on said second connector (130) the centre of curvature (Y) of said second joint (140) being located on the axis of the said second connector (130) on the inside of the latter or on the inside of the elbow (132) said at least one pair of ties comprising said articulated connection means permitting a relative pivoting movement of said first connector (128) and said central element (126) about said center of curvature (X) and of said second connector (130) and said central element (126) about said center of curvature (Y).

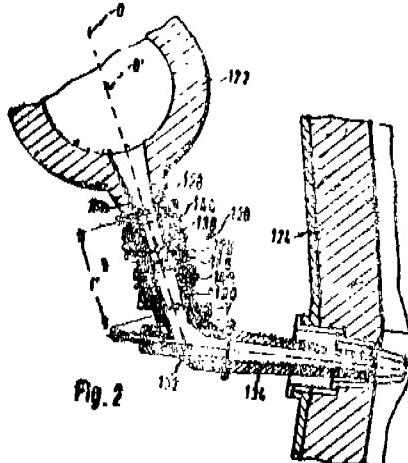


Fig. 2

(Complete Specn. 14 Pages)

Drawing 9 Sheets)

Ind. Cl. 35 E.

176603.

Int. Cl. : CO4B, 41/80.

**PROCESS OF PREPARING A REFRACRY WELD MASS FOR REPAIRING A REFRACRY BODY AND AN APPARATUS FOR PREPARING A REFRACRY WELD MASS.**

Applicant : GLAVERBIL A BELGIUM COMPANY OF CHAUSSEE DE LA HULPE, 166, B 1170, BRUSSELS, BELGIUM AND FOSBEL INCORPORATED OF 20200, SHELDON ROAD CLEWELAND OHIO 44142, UNITED STATES OF AMERICA.

Inventor : CHARLES MICHAEL ZVOSEC, LEON PHILIPPE MOTTEL.

Application for patent No. 581/DEL/89 filed on 4-7-89.  
Convention date : 8817764, 7/26.07.88 GB.

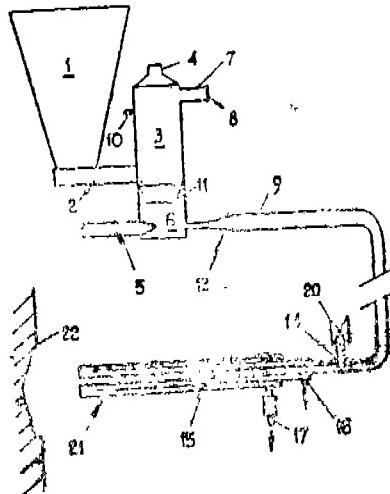
Appropriate office for filing opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

## (Claims 20)

A process of preparing a refractory weld mass for repairing a refractory body comprising introducing combustible and refractory particles in an oxygen rich carrier gas projecting said particles mixture against such body to cause oxidation of combustible particles in a reaction zone adjacent such body thereby generating heat required for dressing such body or forming a refractory weld mass thereon, characterised in that said combustible particles are introduced into a relatively inert first gas and then entrained by an oxygen-rich gas which is forced through an entrainment zone to induce flow of combustible particles and first gas into said entrainment zone and in that in the projecting step the induced flow of combustible particles and first gas is carried along with said oxygen-rich gas to said reaction zone.

Apparatus for carrying out the process as claimed in claim 1 comprising a hopper for receiving combustible refractory particles, feeding means for introducing combustible and refractory particles into an oxygen-rich carrier gas and a

conduit leading to a lance for projecting said mixture against said refractory body characterized in that said feeding means comprise a chamber having an introducing zone in which combustible particles are introduced into a relatively inert first gas, said zone being connected to an entrainment zone having a nozzle through which an oxygen-rich gas is forced to induce a flow of said first gas and combustible particles into said entrainment zone and a conduit through which the induced flow of combustible particles and first gas is carried along with the oxygen-rich gas to said lance.



(Complete Specn. 17 Pages)

Drawing 2 Sheets)

Ind. Cl. : 187 C

176604.

Int. Cl. : HO4M 3/00.

**AN INTERPOLATOR FOR VARYING THE SAMPLING RATE OF A DIGITAL SINGLE IN A SUBSCRIBER SYSTEM UNIT.**

Applicant : INTERNATIONAL MOBILE MACHINES CORPORATION, OF 100 NORTH 10th STREET, PHILADELPHIA, PENNSYLVANIA 19103, UNITED STATES OF AMERICA.

Inventor : DAVID NORTON GRITCHLOW, GRAHAM MARTIN AVIS, SANDRA JANE KAY EARLAM, KARLE JOSEPH JOHNSON, BRUEE ALBERT SMETANA, GREGORY LEE WESTLING.

Application for Patent No. 559/DEL/89 filed on 06-07-89  
Divisional to :

Ante-dated to 23-10-86.

Divisional to Patent Application No. 937/DEL/86 filed on 23-10-86.

Appropriate office for filing opposition proceedings (Rule 4, 1972) Patent Office Branch, Karol Bagh, New Delhi-110 005.

## (Claims 3)

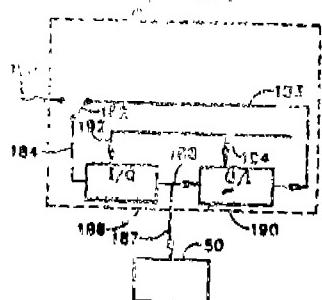
An interpolator for varying the sampling rate of a digital signal having I and Q components at an initial frequency comprising :

an input for a digital signal;

a memory for I/Q component and a memory for Q/I component with the memories being serially connected;

a two terminal relay with a base connected to an output of the serially connected memories, a first terminal connected to the input for the digital signal and the second terminal connected to an input to the serially connected memories and

a demultiplexer for demultiplexing at a predetermined frequency signals being input to each of the memories.



Ind. Cl. : 194 B LXIII (4)

176607

Int. Cl.<sup>4</sup> : H 01 J 7/00.**AN ELECTRONIC CAPACITIVE BALLAST FOR FLUORESCENT AND OTHER DISCHARGE LAMPS.**

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001.

Inventors : CHITRADURGA SRINIVASAN PRASANNA KUMAR, BALASUBRAMANIAN RAVIKRISHNAN.

Application for Patent No. 797/Del/89 filed on 7-9-89.

Appropriate office for filing opposition proceedings (Rule 4, 1972) Patent Office Branch, Karol Bagh New Delhi-110005.

**(Claims 6)**

An electronic capacitive ballast for fluorescent or other discharge lamps which comprises of at least one capacitor (9) having normal values upto 20 MF one terminal (a) of the said capacitor to be connected to one terminal (P) of a power source and the other terminal (6) of the capacitor (9) being connected to at least one inductance coil (10) having value upto 5 H, the said inductance coil being connected to the input of a starting device (11) for undirectional passage of current during starting of the fluorescent lamp, the said starting device consisting of Triac (T), silicon controlled rectifier(s) Diode (D), at least one passive resistor (R), the said starting device having two output terminals (12) and (13) for connecting to terminals of a fluorescent lamp (3) or other discharge lamps (14, 15) other terminal (F) of the starting device being connected to the other terminal (N) of the said power source.

(Complete Specification 13 Pages

Drawing Sheets 3).

Ind. Cl. : 206 E

176608

Int. Cl.<sup>4</sup> : H04H 1/00.**FREQUENCY CONTROL APPARATUS FOR A BURST-MODE RADIO COMMUNICATIONS SYSTEM.**

Applicant : MOTOROLA, INC. OF 1303 EAST ALGONQUIN ROAD, SCHAMBURG, ILLINOIS, 60196, UNITED STATES OF AMERICA.

Inventor : DAVID EDWARD BORTH, JAMES FRANK KEPFER.

Application for Patent No. 93/Del/90 filed on 02-02-90.

Appropriate office for filing opposition proceedings (Rule 4, 1972) Patent Office Branch, Karol Bagh New Delhi-110005.

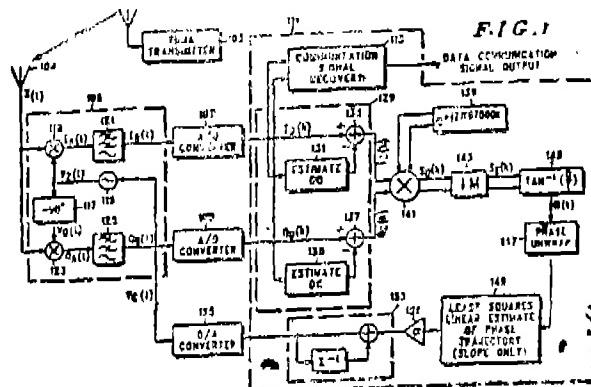
**(Claims 4)**

A frequency control apparatus for a burst-mode radio communications system employing a frequency correction signal transmitted as a burst to enable correction of frequency differences between the frequency of the radio carrier of a subsequent communication burst and the frequency of reception by a radio receiver, the frequency control apparatus characterised by :

a radio receiver (104) having a variable frequency oscillator, (115) for receiving a frequency correction signal burst and the subsequent communication burst and coupling said received subsequent communication burst to a signal recovery network (113) for processing said received subsequent communication burst which has a frequency difference between said variable frequency oscillator (115) and the radio carrier frequency of said communication burst; and

a signal processor (111), coupled to said radio receiver (104), and provided with a quadrature mixer (141) coupled to a phase sampler (143) coupled to a phase trajectory calculator (149) to generate a singular control signal

value and to apply said singular control signal value to said variable frequency oscillator (115) to correct said frequency difference.



(Complete Specification 24 Pages

Drawing Sheets 2)

Ind. Cl. : 40B

176609

Int. Cl. : B01J 21/06, C07F 7/28.

**A PROCESS FOR THE PREPARATION OF TETRA-2-ETHYL HEXYL TITANATE**

Applicant : SHRIRAM INSTITUTE FOR INDUSTRIAL RESEARCH OF 19, UNIVERSITY ROAD, DELHI-110007.

Inventors : MOHAMMAD QAMAR PARWEZ, DAYA SHANKAR WADHWA, RAKESH KUMAR SINGH, JITENDRA VEER TYAGI, KRISHNA KUMAR JAIN.

Application for Patent No. 0097/Del/90 filed on 5-2-90.

Appropriate office for filing opposition proceedings (Rule 4, 1972) Patent Office Branch, Karol Bagh New Delhi-110005.

**(Claims 5)**

A process for the preparation of tetra-2-ethyl hexyl titanate comprising preparing a reaction solution of purified 2-ethyl hexyl alcohol in dry benzene and trichlore ethylene adding 1 to 2 moles of titanium tetrachloride to the reaction solution for 1 to 3 hours under an inert atmosphere at a temperature of 0-10°C to obtain a reaction mixture having an acidic pH, passing dry ammonia gas through said reaction mixture till the mixture has a neutral or slightly alkaline pH, removing ammonium chloride formed by introduction of ammonia gas distilling the solution to obtain tetra-2-ethyl hexyl titanate.

(Complete Specification 9 Pages

Drawing Sheets nil)

Ind. Cl. : 206 E

176610

Int. Cl.<sup>4</sup> : G 06 F 7/00, 15/00.**IMPROVEMENTS IN OR RELATING TO A USER INTERFACE OF A DATA PROCESSING SYSTEM.**

Applicant : INTERNATIONAL BUSINESS MACHINES CORPORATION, OF ARMONK, NEW YORK 10504, UNITED STATES OF AMERICA.

Inventors : STEPHEN BRENT GEST, FARRELL WADE WYMORE.

Application for Patent No. 759/Del/89 filed on 28-8-89.

Convention date 8-5-89/8910551.4/GB.

Appropriate office for filing opposition proceedings (Rule 4, 1972) Patent Office Branch, Karol Bagh New Delhi-110005.

## (Claims 3)

A user interface of a data processing system, said interface comprising :

means for displaying a menu having a plurality of items ;

means, connected to said means for displaying, for positioning a cursor over any one of said plurality of items; and

means, connected to said means for displaying and said means for positioning, for selecting one of said plurality of items in response to said cursor positioned over said one item and simultaneously selecting a value within a range of values for said selected item according to a position of said cursor within said selected item.

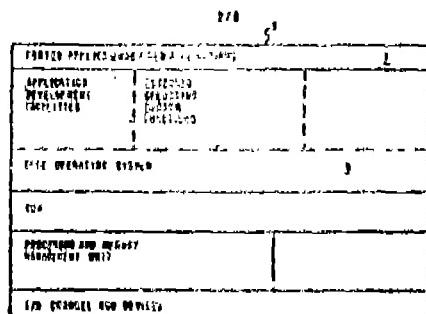


FIG. 2B

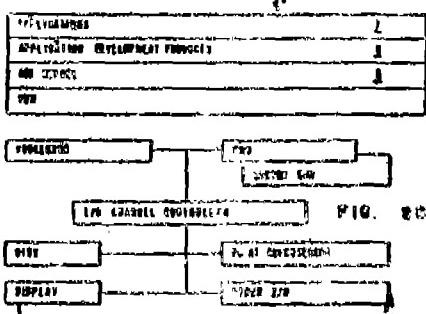


FIG. 2C

(Complete Specification 20 Pages

Drawing Sheets 8).

## RESTORATION PROCEEDINGS

Notice is hereby given that an application for restoration of Patent No. 165750 dated the 22nd September, 1986 made by Gunnarshaug, Olav Johannes on the 4th July, 1996 and notified in the Gazette of India Part III, Section 2, dated the 30-9-1995 has been allowed and the said Patent Restored.

## CLAIM UNDER SECTION 20 (1) OF THE PATENTS ACT, 1970

In pursuance of leave granted under Section 20 (1) of the Patents Act, 1970 application No. 880/Del/87 (176141) of PHOTON ENERGY, INC., USA has been allowed to proceed in the name of PHOTON ENERGY, INC d/b/a GOLDEN PHOTON INC.

In pursuance of leave granted under Section 20 (1) of the Patents Act, 1970 application No. 753/Del/87 (169586) of SAB NJFE AB Sweden has been allowed to proceed in the name of SAB WABCO HOLDINGS BV., a Netherlands company.

## AMENDMENT PROCEEDINGS UNDER SECTION 57.

The amendments proposed by SCHUBERT and SALZER MASCHINEN FABRIK AKTIENGESELLSCHAFT in respect of Patent No. 527/Mas/89 (170049) as advertised in Part III, Section 2, of the Gazette of India on 22-8-1992 and 26-8-1995 respectively, and no opposition being filed within the stipulated period the said amendment, have been allowed.

Notice is hereby given that Himont Incorporated (now known as MONTELL NORTH AMERICA INC.) a corporation duly organised under the laws of the State of Delaware, U.S.A. of 2801 Centerville Road, New Castle country, Delaware, U.S.A. have made an application under Section 57 of the patent Act, 1970 for amendment of specification of their application for patent No. 176311 for Process for preparing a catalyst component for the polymerization of olefins.

Amendments are by way of change of name from Mimont incorporated to MONTELL NORTH AMERICA INC.

The application for amendment and the proposed amendments can be inspected free of charge at Patent Office, 234/4, Acharya Jagdish Bose Road, Calcutta-700020 or copies of the same can be had on payment of the usual copying charges. Any person interested in opposing the application for amendment may file a notice of opposition on the prescribed form 30 within three months from the date of this notification at the Patent Office, 234/4, Acharya Jagdish Bose Road, Calcutta-700020. If the Written Statement of opposition is not filed with the Notice of Opposition it shall be left within one month from the date of filing the said notice.

Notice is hereby given that DAN MERRITT & COVENTRY UNIVERSITY (formerly known as COVENTRY POLYTECHNIC HIGHER EDUCATION CORPORATION) has made an application on Form-29 under Section 57 of the Patents Act, 1970 for amendment of specification of their application for patent No. 101/D/1/82 (175202) for "INTERNAL COMBUSTION ENGINE". The amendment are by way of change of name of the second applicant from COVENTRY POLYTECHNIC HIGHER EDUCATION CORPORATION TO COVENTRY UNIVERSITY.

The application for amendment and the proposed amendments can be inspected free of charge at the Patent Office Branch, Unit No. 401 to 405, 3rd Floor, Municipal Market Building, Saraswati Marg, Karol Bagh, New Delhi-110005 or copies of the same can be had on payment of usual copying charges.

Any person interested in opposing the application for amendment may file a notice of opposition in Form-30 within three months from the date of this notification at Patent Office Branch, Unit No. 401 to 405, 3rd Floor, Municipal Market Building, Saraswati Marg, Karol Bagh, New Delhi-110005. If the Written Statement of opposition is not filed with the notice of opposition it shall be left within one month from the date of filing the said notice.

## RENEWAL FEES PAID

157219 157342 158211 159130 159536 161049 161178 161917  
162400 162652 162664 162668 162719 163091 163143 163288  
163296 163311 163807 163995 164574 164650 164682 164694  
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170574 171279 171932 171933 171994 172068 172098 172181  
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173062 173101 173109 173150 173236 173238 173685 173776  
173777 173778 173892 174003 174161 174361 174505 174689  
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175552 175556 175629 175630

## PATENT SEALED ON 04-07-1996

174694\*D 176068\* 176071\*D 176072 176074 176075 176077  
 176080 176101 176102 176104 176105 176111 176113  
 176114 176123 176124\* 176129 176130.

CAL—07, DEL—05, BOM—07, MAS—NIL.

\*Patent shall be deemed to be endorsed with the words LICENCE OF RIGHT Under Section 87 of the Patents Act, 1970 from the date of expiration of three years from the date of sealing.

D—Drug Patents, F—Food Patents

## REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Design Act, 1911.

The date shown in the each entry is the date of the registration included in the entries.

Class 1. No. 169895, Mahi Pal Gupta, Autopal Industries Limited, E 195 (A), RICO Industrial Area, Sanganaer, Jaipur, Rajasthan, Indian, Nationality : Indian, "ELECTRONIC TRANSFORMER", 22nd September 1995.

Class 1: No. 169940 & 169941, Mahi Pal Gupta, Autopal Industries Limited, E 195 (A), RICO Industrial Area, Sanganaer, Jaipur, Rajasthan, Indian, Nationality : Indian, "LIGHT FIXTURE", 29th September 1995.

Class 3. No. 169999, Osram GmbH, Hellabrunner Str. 1, 81543 Munchen, Germany, "SOCKET ADAPTER", 10th October 1995.

Class 3. No. 170000, Osram GmbH, Hellabrunner Str. 1, 81543 Munchen, Germany, "SOCKET ADAPTER", 10th October 1995.

Class 3. No. 169961, Osram GmbH, Hellabrunner Str. 1, 81543 Munchen, Germany, "SOCKET ADAPTER", 4th October 1995.

Class 3. No. 170155 & 170156 Fujitsu General Ltd., a Japanese Company of 1116, Suenaga, Takatsukku, Kawasaki-shi, Kanagawa-shi, Kanagawa-ken, Japan, "AN AIR CONDITIONER", 10th November 1995.

Class 3. No. 170227, Taneja, an Indian Company of A 27, Mayapuri, Phase-I, New Delhi-110 064, India, "TV CABIN", 17th November 1995.

Class 3. No. 170228 & 170229, Taneja, an Indian Co. of A 27, Mayapuri, Phase I, New Delhi-110064, India "TAPE RECORDER", 17th November 1995.

Class 3. No. 169530 & 169531, Philips Electronics N. V., a limited liability company organised and established under the laws of the Kingdom of The Netherlands, carrying on business as manufacturers at Groenewoudseweg 1, 5621 BA Findhoven The Netherlands "A EPILATOR", 15th May 1995 (Reciprocity date).

Class 3. No. 169885 to 169887, Colgate-Palmolive Company a Delaware corporation of 300 Park Avenue New York, 10022, U. S.A., "TOOTH BRUSH", 22nd September 1995.

T. R. SUBRAMANIAN  
 Controller General of Patents,  
 Designs & Trade Marks

प्रबन्धक, भारत सरकार मुद्राशास्य, फरीदाबाद द्वारा मुद्रित  
 एवं प्रकाशन नियंत्रक, दिल्ली द्वारा प्रकाशित, 1996

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